THESIS
AND
REPORTS
Arizona
Vol. 2

A STUDY TO DETERMINE THE HYDROLIC AND PHYSICAL PROPERTIES OF SOME BEAVER CREEK SOILS

Final Report

Appendix

A Cooperative Study Between the

University of Arizona

And the

Rocky Mountain Forest and Range Experiment Station

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SOIL PHYSICAL PROPERTIES

MODEL,T25,CM55000,BN2400223M.
AN ANALYSIS OF SOIL PHYSICAL PROPERTIES OF BEAVER CREEK WATERSHED 3

SP	DEPTH	TEXTURE S	SL	C	SUCTION .33	.66	3	5	BARS 10	15	BD	OM
088	00-03 1	22.6	48.0	29.3	.349	.341	.	.	.	.	1.38	.
088	00-03 2	15.3	42.4	42.4	.480	.340	.396	.376	.397	.352	1.76	9.76
088	00-03 3	21.9	49.8	28.3	.373	.342	.	.	.	.	1.23	.
088	00-03 4	12.9	43.6	43.6	.434	.374	.376	.348	.368	.353	1.32	.
088	00-03 5	07.2	57.8	35.0	.	.306	.328	.	.	.	1.43	.
088	00-03 6	.	.	.	.	.	.	.	.	.	1.64	.
088	03-06 1	05.1	38.0	56.9	.326	.307	.309	.293	.270	.241	1.63	1.12
088	03-06 2	02.3	42.1	55.6	.330	.298	.171	.276	.261	.257	1.72	1.13
088	03-06 3	02.3	40.7	57.0	.329	.295	.340	.285	.290	.228	1.80	0.79
088	03-06 4	03.4	39.4	57.1	.327	.298	.326	.299	.333	.303	1.67	.
088	03-06 5	05.3	37.9	56.8	.356	.303	.305	.305	.304	.302	1.69	.
088	03-06 6	05.2	27.1	67.7	.305	.303	.326	.314	.289	.303	1.62	.
088	06-12 1	07.5	32.7	59.9	.305	.298	.297	.306	.	.290	1.14	1.00
088	06-12 2	07.3	34.1	58.6	.289	.308	.288	.289	.288	.271	1.66	1.14

088	06-12	3	03.0	37.7	59.3	.340	.324	.285	.278	.283	.286	1.70	1.04
088	06-12	4	06.5	39.9	55.6	.300	.296	.351	.325	.282	.309	1.70	.
088	06-12	5	02.2	42.1	55.7	.306	.310	.338	.323	.339	.283	1.67	.
088	06-12	6	02.2	39.4	58.4	.292	.300	.333	.317	.282	.306	1.71	.
088	12-24	4	08.2	32.4	59.4	.327	.314	.330	.302	.295	.287	1.82	.
088	12-24	5	00.6	40.3	59.1	.386	.326	.319	.311	.328	.280	1.79	.
088	12-24	6	01.6	39.1	59.3	.330	.350	.347	.309	.332	.320	1.81	.
088	12-24	1	11.3	32.3	56.5	.325	.326	.303	.257	.256	.266	1.59	0.85
088	12-24	2	08.8	32.2	59.0	.339	.325	.286	.304	.296	.294	1.77	0.85
088	12-24	3	04.5	37.1	58.4	.403	.327	.310	.284	.316	.276	1.82	0.48
088	24-36	4	05.5	35.1	59.4	.375	.359	.347	.317	.341	.254	1.82	.
088	24-36	5	08.7	34.9	56.4	.398	.341	.310	.313	.345	.274	1.85	.
088	24-36	6	03.8	35.2	61.0	.373	.344	.331	.319	.375	.300	1.83	.
088	24-36	1	07.1	31.8	61.0	.363	.351	.322	.275	.266	.314	1.84	0.86
088	24-36	2	02.2	38.0	59.8	.382	.350	.356	.266	.306	.248	1.79	1.00
088	24-36	3	06.8	33.8	59.4	.366	.359	.305	.289	.325	.300	1.85	0.94
049	00-03	1	09.4	31.6	59.0	.412	.393	.331	.307	.3	.278	1.72	1.68
049	00-03	2	23.7	24.3	51.9	.455	.304	.324	.336	.327	.295	1.62	1.63
049	00-03	3	18.7	29.8	51.5	.410	.400	.333	.320	.318	.269	1.77	1.71
049	00-03	4	23.4	29.6	47.0	.444	.407	.299	.280	.296	.297	1.60	.
049	00-03	5	20.4	28.3	51.3	.382	.400	.334	.312	.321	.302	1.36	.
049	00-03	6	20.7	32.3	47.0	.403	.396	.290	.277	.287	.274	1.63	.
049	03-06	1	08.5	29.1	62.4	.410	.418	.413	.406	.378	.320	1.49	1.29
049	03-06	2	03.2	36.0	60.8	.410	.419	.436	.415	.385	.385	1.61	1.27
049	03-06	3	11.3	29.1	59.6	.374	.382	.390	.369	.402	.356	1.63	1.39
049	03-06	4	06.0	31.8	62.2	.397	.389	.411	.396	.397	.348	1.67	.
049	03-06	5	07.9	27.9	64.2	.400	.401	.431	.425	.408	.407	1.49	.
049	03-06	6	10.9	25.1	64.0	.399	.410	.404	.420	.406	.348	1.73	.
049	06-12	1	13.5	23.7	62.8	.410	.432	.420	.403	.374	.324	1.60	0.88
049	06-12	2	08.2	25.0	66.8	.457	.411	.383	.356	.388	.332	1.69	0.86
049	06-12	3	11.1	26.4	62.5	.406	.410	.427	.342	.404	.369	1.68	0.90
049	06-12	4	08.1	27.9	64.1	.494	.414	.428	.431	.423	.347	1.66	.
049	06-12	5	10.7	26.5	62.8	.416	.302	.418	.362	.421	.409	1.60	.
049	06-12	6	11.1	26.4	62.5	.419	.414	.426	.	.405	.338	1.79	.
049	12-24	1	09.9	25.3	64.7	.446	.456	.426	.418	.438	.380	1.68	0.98
049	12-24	2	04.7	32.7	62.6	.505	.431	.397	.389	.331	.358	1.78	1.10
049	12-24	3	02.7	34.3	63.1	.424	.412	.395	.384	.388	.325	1.90	0.76
049	12-24	4	01.1	31.6	67.3	.488	.408	.421	.381	.352	.354	1.73	.
049	12-24	5	12.2	27.4	60.4	.	.403	.400	.389	.412	.366	1.78	.
049	12-24	6	04.1	30.1	65.7	.470	.409	.407	.386	.371	.348	1.73	.
049	24-36	1	06.8	28.8	64.4	.535	.430	.412	.406	.405	.396	1.82	0.80
049	24-36	2	01.3	31.5	67.2	.472	.407	.419	.391	.349	.336	1.80	0.91
049	24-36	3	05.2	28.5	66.4	.465	.422	.402	.400	.320	.342	1.82	0.83
049	24-36	4	07.6	29.9	62.5	.459	.414	.400	.401	.402	.335	1.72	.
049	24-36	5	08.6	27.3	64.1	.469	.406	.420	.397	.421	.395	1.75	.
049	24-36	6	10.0	26.2	62.8	.459	.425	.408	.397	.434	.401	1.80	.
049	36-45	1	08.3	25.4	66.3	.478	.476	.445	.364	.350	.398	1.63	0.89
049	36-45	2	09.4	30.2	60.4	.480	.482	.431	.369	.338	.434	1.67	0.55
049	36-45	3	10.6	27.1	62.3	.493	.474	.435	.434	.440	.372	1.77	0.71
049	36-45	4	05.7	27.7	66.6	.471	.432	.424	.418	.410	.405	1.68	.
049	36-45	5	08.2	25.0	66.8	.544	.394	.477	.430	.398	.388	1.76	.
049	36-45	6	05.5	28.8	65.8	.497	.444	.440	.412	.433	.377	1.69	.
049	45-45	1	40.6	31.1	28.3	.601	.406	.326	.276	.304	.274	1.42	0.26
049	45-45	2	39.1	24.6	36.2	.478	.433	.345	.327	.332	.357	1.45	0.31
049	45-45	3	37.9	42.3	19.8	.448	.464	.368	.351	.368	.338	1.51	1.16
049	45-45		.	.	.	.	.	.	.	.	.	1.51	.
042	00-03	1	17.9	45.6	36.5	.298	.271	.193	.181	.174	.186	1.76	0.74
042	00-03	2	16.9	44.2	39.0	.316	.268	.186	.183	.176	.174	1.60	0.82
042	00-03	3	16.2	40.6	43.2	.298	.282	.210	.188	.177	.178	1.58	0.70
042	00-03	4	11.2	47.0	41.8	.355	.273	.207	.203	.221	.199	1.61	.

042	00-03	5	16.9	45.5	37.8	.369	.311	.175	.182	.207	.175	1.39	.
042	00-03	6	19.5	46.7	33.7	.324	.307	.180	.	.194	.186	1.88	.
042	03-06	1	01.6	41.8	56.6	.426	.330	.303	.268	.283	.262	1.69	0.81
042	03-06	2	00.8	41.0	58.2	.392	.341	.324	.292	.282	.242	1.74	0.91
042	03-06	3	03.1	43.0	53.8	.324	.329	.315	.299	.286	.271	1.79	0.69
042	03-06	4	01.7	39.0	59.2	.360	.295	.356	.381	.369	.332	1.56	.
042	03-06	5	06.7	42.6	50.6	.342	.286	.288	.285	.374	.285	1.85	.
042	03-06	6	04.2	42.6	53.2	.331	.284	.293	.264	.297	.262	1.64	.
042	06-12	1	09.2	36.6	54.2	.366	.337	.346	.310	.308	.374	1.72	0.87
042	06-12	2	04.8	39.7	55.6	.355	.271	.348	.308	.358	.286	1.89	0.69
042	06-12	3	05.6	37.8	56.6	.373	.339	.320	.298	.268	.292	1.80	0.83
042	06-12	4	08.4	35.0	56.6	.395	.312	.349	.330	.312	.313	1.71	.
042	06-12	5	05.7	32.8	61.5	.438	.297	.398	.384	.403	.330	1.58	.
042	06-12	6	02.3	38.0	59.7	.360	.466	.354	.342	.324	.367	1.69	.
042	12-15	1	08.0	32.5	59.5	.362	.168	.380	.363	.303	.322	1.74	1.02
042	12-15	2	09.1	33.4	57.5	.576	.497	.354	.309	.261	.335	1.81	0.68
119	00-03	1	06.4	41.5	52.2	.344	.291	.252	.256	.243	.235	1.65	1.12
119	00-03	2	14.2	34.9	51.0	.292	.351	.263	.252	.251	.241	1.70	1.30
119	00-03	3	09.3	29.4	61.3	.292	.309	.250	.247	.262	.228	1.68	1.41
119	00-03	4	01.6	39.1	59.3	.367	.328	.293	.280	.282	.272	1.55	.
119	00-03	5	12.4	36.1	51.5	.322	.301	.272	.269	.316	.258	1.82	.
119	00-03	6	11.2	29.2	59.7	.262	.275	.235	.234	.216	.245	1.69	.
119	03-06	1	07.1	39.1	53.9	.311	.330	.326	.294	.262	.271	1.89	1.06
119	03-06	2	10.2	30.8	59.0	.394	.329	.327	.270	.260	.294	1.74	1.15
119	03-06	3	00.6	36.8	62.7	.395	.344	.354	.327	.303	.322	1.62	0.83
119	03-06	4	01.7	32.8	65.5	.364	.	.353	.323	.370	.350	1.66	.
119	03-06	5	07.1	32.8	60.1	.298	.326	.341	.328	.355	.338	1.76	.
119	03-06	6	00.4	38.2	61.4	.395	.324	.344	.327	.369	.351	1.67	.
119	06-12	1	01.4	31.9	66.6	.430	.324	.392	.346	.357	.348	1.56	0.69
119	06-12	2	02.5	34.3	63.2	.340	.349	.360	.322	.308	.337	1.68	1.13
119	06-12	3	02.6	35.2	62.2	.380	.351	.350	.340	.351	.322	1.56	0.78
119	06-12	4	00.7	35.9	63.4	.374	.331	.360	.321	.376	.354	1.60	.
119	06-12	5	02.0	33.1	64.9	.369	.281	.350	.354	.374	.318	1.67	.
119	06-12	6	09.5	31.5	59.0	.387	.327	.340	.347	.324	.360	1.64	.
119	12-24	1	01.9	34.9	63.2	.442	.375	.344	.319	.295	.274	1.85	0.90
119	12-24	2	11.6	26.8	61.6	.342	.340	.360	.367	.347	.215	1.84	0.82
119	12-24	3	08.0	27.1	65.0	.361	.375	.367	.314	.353	.348	1.82	0.92
119	12-24	4	09.1	26.8	64.2	.400	.290	.353	.352	.343	.310	1.86	.
119	12-24	5	08.9	28.6	62.6	.355	.378	.351	.346	.296	.311	1.78	.
119	12-24	6	03.6	34.0	62.5	.396	.384	.349	.353	.322	.352	1.88	.
119	24-36	1	07.9	27.1	65.0	.300	.331	.343	.334	.305	.285	1.79	0.82
119	24-36	2	05.1	34.7	60.1	.370	.354	.350	.	.340	.330	1.84	0.87
119	24-36	3	04.9	29.9	65.2	.425	.372	.352	.326	.253	.254	1.82	0.64
119	24-36	4	11.5	24.5	64.0	.369	.342	.347	.330	.314	.281	1.77	.
119	24-36	5	05.1	29.8	65.0	.367	.371	.358	.304	.309	.272	1.84	.
119	24-36	6	08.2	29.7	62.1	.380	.364	.361	.324	.315	.326	1.82	.
119	36-48	1	04.0	40.4	55.6	.354	.340	.357	.338	.314	.294	1.79	0.87
119	36-48	2	05.2	27.1	67.7	.336	.362	.348	.341	.312	.276	1.80	0.68
119	36-48	3	01.8	31.0	67.3	.362	.358	.330	.319	.314	.316	1.81	0.75
119	36-48	4	10.7	25.7	63.6	.362	.372	.355	.324	.312	.348	1.89	.
119	36-48	5	02.4	31.7	65.9	.396	.376	.347	.331	.308	.295	1.84	.
119	36-46	6	02.8	30.6	66.6	.380	.310	.334	.332	.316	.344	1.81	.
119	48-60	1	07.9	27.1	65.0	.291	.341	.353	.331	.317	.317	1.83	0.76
119	48-60	2	07.3	24.9	67.8	.376	.394	.372	.352	.354	.316	1.80	0.66
119	48-60	3	08.9	25.8	65.3	.365	.331	.370	.348	.314	.297	1.71	1.06
119	60-75	1	07.3	31.8	60.9	.382	.416	.379	.369	.363	.346	1.73	0.78
119	60-75	2	05.2	29.8	65.0	.382	.395	.381	.351	.341	.347	1.81	0.37
119	60-75	3	07.8	27.1	65.0	.379	.354	.356	.334	.336	.351	1.81	0.49
119	75-75	1	03.9	29.8	66.3	.358	.395	.366	.363	.361	.330	1.57	0.31
119	75-75	2	07.7	24.4	67.8	.323	.360	.352	.340	.330	.309	1.68	0.36

119	75-75	3	10.3	23.1	66.6	.362	.372	.364	.326	.380	.357	1.78	0.45
115	00-03	1	14.9	51.8	33.2	.331	.265	.195	.186	.168	.184	1.60	1.00
115	00-03	2	16.7	46.3	37.0	.341	.286	.196	.186	.167	.198	1.60	0.94
115	00-03	3	26.3	39.5	34.2	.333	.241	.201	.182	.165	.099	1.56	1.29
115	03-06	1	16.3	50.5	33.2	.361	.311	.218	.219	.197	.220	1.69	1.26
115	03-06	2	13.3	39.2	47.5	.369	.313	.	.329	.270	.358	1.60	1.44
115	03-06	3	07.6	44.1	48.3	.378	.322	.288	.305	.261	.288	1.66	1.50
115	06-12	1	14.0	35.5	50.5	.385	.344	.317	.336	.271	.	1.72	1.25
115	06-12	2	21.4	33.9	44.7	.349	.334	.296	.323	.286	.268	1.80	0.91
115	06-12	3	18.6	32.6	48.9	.349	.324	.307	.325	.301	.287	1.72	1.29
115	12-20	1	15.2	17.2	67.5	.551	.472	.474	.489	.458	.466	1.66	0.50
115	12-20	2	10.5	28.0	61.5	.437	.393	.388	.410	.374	.610	1.79	1.05
115	12-20	3	04.1	22.9	73.0	.488	.435	.458	.488	.421	.399	1.77	0.72
024	00-03	1	21.9	32.3	45.8	.384	.488	.236	.248	.239	.219	1.51	0.86
024	00-03	2	18.7	47.4	33.9	.362	.300	.237	.261	.248	.242	1.45	1.00
024	00-03	3	31.3	29.6	39.1	.381	.312	.233	.243	.	.238	1.39	0.89
024	03-06	1	09.0	37.2	53.8	.394	.364	.318	.328	.313	.305	1.49	1.14
024	03-06	2	17.4	28.9	53.7	.389	.349	.321	.327	.289	.297	1.61	1.40
024	03-06	3	14.9	37.1	48.1	.378	.350	.298	.323	.279	.312	1.59	1.31
024	06-12	1	05.1	32.1	62.8	.421	.	.372	.388	.350	.390	1.74	1.10
024	06-12	2	14.5	33.1	52.4	.410	.346	.362	.388	.323	.379	1.68	1.26
024	06-12	3	20.0	24.8	55.2	.401	.200	.342	.362	.312	.359	1.86	0.96
024	12-26	1	01.3	34.7	63.9	.382	.367	.321	.328	.316	.392	1.81	0.78
024	12-26	2	10.3	34.0	55.7	.389	.362	.355	.335	.312	.379	1.77	0.92
024	12-26	3	08.6	31.9	59.6	.391	.366	.360	.341	.316	.371	1.71	0.40
024	26+	1	20.5	42.4	37.1	.372	.285	.226	.236	.214	.250	1.46	0.21
108	00-03	1	06.5	46.1	47.4	.320	.282	.269	.272	.245	.279	1.52	1.30
108	00-03	2	01.9	49.0	49.0	.	.282	.267	.268	.245	.280	1.65	0.82
108	00-03	3	02.1	46.2	51.6	.311	.258	.271	.272	.245	.279	1.44	1.18
108	03-06	1	06.4	37.2	56.4	.367	.329	.314	.300	.264	.301	1.83	0.68
108	03-06	2	01.3	42.5	56.2	.375	.345	.320	.296	.278	.306	1.74	0.67
108	03-06	3	06.0	33.2	60.8	.380	.336	.346	.321	.300	.322	1.76	0.73
108	06-12	1	03.8	37.1	59.1	.394	.352	.328	.287	.286	.327	1.79	0.56
108	06-12	2	03.6	35.8	60.6	.373	.	.336	.322	.282	.341	1.82	0.61
108	06-12	3	03.0	34.6	62.3	.366	.367	.392	.346	.337	.382	1.78	0.60
108	12-24	1	06.7	32.9	60.4	.381	.375	.328	.316	.323	.300	1.21	0.56
108	12-24	2	17.1	19.4	63.6	.383	.368	.318	.344	.321	.298	1.72	0.50
108	12-24	3	07.7	31.7	60.6	.394	.361	.348	.326	.322	.334	1.80	0.51
108	24+	1	05.9	41.5	52.6	.421	.357	.339	.329	.333	.316	1.75	0.56
086	00-03	1	07.2	39.0	53.8	.305	.222	.267	.263	.262	.161	1.80	0.45
086	00-03	2	05.9	41.7	52.4	.335	.294	.240	.249	.239	.232	1.79	0.42
086	00-03	3	12.2	35.1	52.7	.298	.297	.256	.250	.255	.253	1.73	0.13
086	03-06	1	14.2	30.0	55.8	.324	.290	.298	.293	.243	.301	1.85	0.33
086	03-06	2	08.8	34.0	57.2	.313	.256	.221	.299	.255	.301	1.83	0.44
086	03-06	3	10.1	31.3	58.6	.337	.308	.293	.281	.244	.297	1.82	0.48
086	06-12	1	11.4	31.3	57.2	.333	.293	.	.284	.251	.305	1.06	0.34
086	06-12	2	12.8	28.6	58.6	.366	.307	.310	.278	.240	.346	1.85	0.48
086	06-12	3	10.1	32.7	57.2	.336	.286	.284	.292	.232	.280	1.85	0.36
086	12+	1	11.1	30.1	58.9	.326	.306	.309	.300	.305	.312	1.89	0.39
086	12+	2	08.5	34.2	57.4	.375	.335	.326	.295	.247	.	1.60	0.49
086	12+	3	07.3	35.4	57.3	.316	.310	.302	.295	.246	.276	1.88	0.19
016	00-03	1	25.9	41.0	33.1	.249	.235	.195	.185	.164	.162	1.73	0.73
016	00-03	2	17.4	45.3	37.3	.289	.280	.224	.219	.189	.183	1.70	0.77
016	00-03	3	25.8	39.8	34.5	.313	.295	.205	.194	.176	.	1.79	0.68
016	03-06	1	19.1	36.4	44.5	.312	.272	.269	.252	.258	.230	1.72	0.72
016	03-06	2	07.6	44.8	47.6	.318	.297	.297	.296	.288	.268	1.73	0.74
016	03-06	3	07.1	43.6	49.1	.320	.302	.313	.317	.278	.270	1.87	0.67
016	06-12	1	05.4	39.8	54.8	.	.293	.335	.326	.275	.246	1.86	0.60
016	06-12	2	06.0	34.6	59.4	.353	.288	.360	.341	.294	.	1.76	0.59
016	06-12	3	12.0	33.8	54.2	.329	.323	.331	.326	.329	.299	1.83	0.62

103	00-03	1	11.1	39.1	49.8	.296	.266	.270	.255	.231	.241	1.72	0.84
103	00-03	2	10.9	52.1	37.0	.397	.329	.296	.289	.268	.	1.67	.
103	00-03	3	12.0	44.6	43.3	.336	.310	.273	.278	.264	.262	1.61	1.51
103	03-06	1	15.6	27.7	56.7	.373	.315	.343	.349	.294	.290	1.70	0.96
103	03-06	2	09.3	33.0	57.7	.362	.314	.318	.310	.291	.263	1.78	1.01
103	03-06	3	04.8	40.0	55.2	.	.322	.319	.308	.268	.270	1.69	0.95
103	06-12	1	05.9	38.8	55.4	.376	.341	.351	.327	.338	.341	1.77	0.88
103	06-12	2	08.6	34.6	56.8	.314	.330	.348	.312	.352	.292	1.72	0.77
103	06-12	3	02.8	36.1	61.1	.379	.343	.354	.346	.303	.	1.72	0.37
103	12+	1	03.6	33.5	62.9	.399	.358	.365	.368	.339	.352	1.78	0.54
103	12+	2	02.5	44.6	52.9	.386	.343	.362	.367	.320	.308	1.77	0.69
103	12+	3	09.2	30.7	60.1	.381	.353	.345	.381	.381	.305	1.82	0.70
010	00-03	1	13.6	36.5	50.0	.294	.267	.	.218	.220	.235	1.70	0.51
010	00-03	2	11.4	41.6	47.0	.285	.286	.239	.244	.206	.200	1.70	0.74
010	00-03	3	12.0	36.6	51.5	.302	.206	.253	.245	.287	.240	1.71	0.59
010	03-06	1	11.8	38.0	50.2	.282	.273	.262	.261	.262	.223	1.84	0.48
010	03-06	2	07.5	43.6	49.0	.298	.268	.267	.268	.233	.226	1.75	0.38
010	03-06	3	17.2	35.3	47.5	.385	.274	.272	.286	.260	.253	1.83	0.46
010	06-12	1	08.6	35.5	55.9	.326	.296	.300	.288	.244	.	1.79	0.45
010	06-12	2	09.6	39.7	50.7	.327	.289	.293	.292	.262	.231	1.86	0.39
010	06-12	3	10.0	35.5	54.6	.332	.280	.289	.270	.246	.229	1.82	0.48
010	12-24	1	09.5	34.3	56.2	.332	.316	.332	.292	.300	.266	1.84	0.48
010	12-24	2	19.1	31.6	49.4	.340	.314	.336	.317	.268	.267	1.82	0.54
010	12-24	3	05.2	39.8	54.9	.324	.313	.321	.330	.266	.300	1.86	0.16
010	24-36	1	10.7	27.9	61.4	.453	.446	.419	.388	.346	.352	1.76	0.17
010	24-36	2	13.9	27.8	58.3	.	.309	.371	.369	.334	.334	1.66	0.17
010	24-36	3	09.7	30.6	59.8	.365	.347	.381	.369	.292	.	1.72	0.45
010	36+	1	35.4	20.2	44.4	.123	.209	.301	.284	.273	.273	1.50	0.21
006	00-03	1	20.0	37.4	42.7	.323	.229	.233	.223	.227	.198	1.79	.
006	00-03	2	21.8	39.8	38.4	.312	.218	.201	.190	.167	.188	1.78	0.97
006	00-03	3	20.9	44.8	34.3	.355	.331	.181	.171	.168	.144	1.72	.
006	03-06	1	10.1	38.1	51.8	.303	.296	.280	.285	.252	.262	1.74	.
006	03-06	2	15.4	31.4	53.2	.338	.313	.281	.284	.257	.273	1.85	0.18
006	03-06	3	10.9	41.9	47.3	.308	.276	.252	.248	.226	.240	1.82	0.21
006	06-12	1	09.5	37.0	53.5	.308	.340	.311	.312	.267	.253	1.82	.
006	06-12	2	08.2	37.0	54.8	.298	.303	.325	.307	.277	.308	1.77	0.21
006	06-12	3	15.0	31.6	53.5	.334	.324	.318	.319	.314	.259	1.75	.
006	12+	1	06.8	39.8	53.5	.356	.341	.335	.325	.284	.268	1.84	.
006	12+	2	03.4	38.7	58.0	.384	.338	.352	.344	.318	.276	1.84	.
006	12+	3	09.5	37.0	53.5	.358	.344	.322	.329	.274	.270	1.83	0.51
091	00-03	1	08.1	43.9	48.0	.339	.313	.295	.295	.295	.259	1.62	1.47
091	00-03	2	01.2	48.0	50.8	.337	.292	.298	.273	.301	.200	1.62	1.42
091	00-03	3	06.6	45.3	48.0	.363	.322	.293	.260	.296	.255	1.63	1.39
091	03-06	1	01.9	52.5	45.6	.362	.329	.342	.335	.315	.284	1.68	1.02
091	03-06	2	04.7	40.0	55.2	.434	.314	.314	.	.314	.298	1.75	1.38
091	03-06	3	03.6	39.9	56.4	.345	.321	.328	.325	.308	.295	1.75	1.37
091	06-12	1	07.4	37.3	55.3	.354	.331	.356	.319	.321	.286	1.76	0.63
091	06-12	2	06.2	37.2	56.6	.363	.327	.360	.	.343	.308	1.77	0.56
091	06-12	3	02.0	40.0	58.0	.367	.331	.363	.354	.317	.310	1.82	0.61
091	12-24	1	05.3	37.1	57.6	.363	.317	.369	.358	.321	.302	1.82	0.57
091	12-24	2	07.4	33.4	59.3	.341	.331	.355	.309	.337	.324	1.83	0.55
091	12-24	3	07.6	35.9	56.6	.377	.335	.365	.353	.315	.297	1.81	0.52
091	24-36	1	01.0	38.5	60.5	.387	.342	.379	.323	.370	.288	1.76	0.50
091	24-36	2	03.4	38.6	57.9	.388	.345	.370	.384	.346	.286	1.82	0.45
091	24-36	3	00.6	38.7	60.7	.364	.348	.394	.342	.353	.303	1.87	0.46
091	36+	1	05.2	31.6	63.2	.328	.375	.398	.362	.341	.311	1.69	0.57
091	36+	2	04.9	31.7	63.4	.366	.345	.405	.394	.362	.302	1.62	0.59
091	36+	3	00.6	51.1	48.3	.370	.398	.387	.377	.359	.294	1.81	0.35
044	00-03	1	06.3	46.2	47.5	.323	.308	.282	.280	.297	.258	1.69	0.92
044	00-03	2	09.4	44.6	46.0	.333	.290	.280	.260	.266	.244	1.63	0.97

044	00-03	3	09.0	44.8	46.2	.321	.362	.290	.283	.279	.260	1.71	1.04
044	03-06	1	07.3	43.6	49.1	.311	.276	.303	.291	.304	.257	1.83	0.73
044	03-06	2	03.1	46.4	50.5	.305	.303	.321	.289	.306	.259	1.81	0.69
044	03-06	3	03.2	43.6	53.2	.313	.285	.303	.283	.279	.262	1.84	0.62
044	06-12	1	03.0	39.1	57.9	.338	.281	.327	.298	.288	.273	1.86	0.71
044	06-12	2	01.0	45.4	53.6	.349	.317	.343	.307	.307	.288	1.75	0.48
044	06-12	3	05.7	41.0	53.3	.329	.302	.322	.	.337	.268	1.76	0.64
044	12-24	1	01.7	41.0	57.3	.	.287	.339	.313	.329	.261	1.80	0.49
044	12-24	2	01.4	41.1	57.5	.337	.297	.339	.319	.339	.262	1.84	0.56
044	12-24	3	04.3	43.7	51.9	.344	.303	.333	.292	.315	.284	1.75	0.42
044	24-36	1	06.0	42.2	51.8	.354	.306	.328	.315	.285	.259	1.81	0.50
044	24-36	2	00.6	43.6	55.8	.	.304	.	.319	.344	.285	1.94	0.43
044	24-36	3	05.7	39.6	54.6	.336	.315	.345	.321	.306	.291	1.83	0.52
044	36+	1	03.8	43.4	52.9	.336	.291	.315	.273	.281	.232	1.74	0.37
044	36+	2	02.4	36.6	61.0	.310	.304	.369	.327	.316	.256	1.81	0.40
044	36+	3	07.3	38.1	54.5	.353	.308	.327	.311	.356	.262	1.85	0.36

MODEL,T25,CM55000,BN2400223M.
AN ANALYSIS OF SOIL PHYSICAL PROPERTIES OF BEAVER CREEK WATERSHED 6

SP	DEPTH	TEXTURE S	SL	C	SUCTION .33	.66	3	BARS 5	10	15	BD	OM
130	00-03 1	16.0	64.6	19.4	.224	.185	.128	.115	.094	.105	1.52	1.20
130	00-03 2	15.8	64.8	19.4	.252	.189	.211	.111	.145	.098	1.52	1.46
130	00-03 3	25.8	48.6	25.6	.216	.204	.145	.129	.167	.111	1.58	0.99
130	03-06 1	14.0	63.8	22.1	.202	.200	.351	.216	.167	.207	1.71	1.36
130	03-06 2	12.4	58.8	28.8	.220	.182	.	.161	.202	.150	1.64	1.34
130	06-12 1	08.9	56.8	34.3	.211	.209	.176	.189	.168	.163	1.73	0.78
130	06-12 2	.	.	.	.236	.200	.183	.	.148	.164	1.56	.
130	06-12 3	08.0	53.3	38.7	.241	.220	.223	.	.217	.166	1.53	0.70
130	12-24 1	07.9	26.9	65.2	.436	.343	.	.338	.	.282	1.80	0.48
130	12-24 2	08.5	31.9	59.6	.403	.	.317	.316	.308	.243	1.83	0.65
130	12-24 3	13.8	20.1	66.0	.434	.424	.418	.393	.377	.349	1.83	0.38
130	24+	47.9	41.7	10.4	.	.242	.194	.179	.323	.172	1.54	0.02
041	00-03 1	12.0	57.8	30.2	.225	.208	.181	.148	.172	.152	1.49	0.98
041	00-03 2	10.5	58.9	31.6	.270	.253	.172	.182	.	.152	1.39	1.12
041	00-03 3	12.5	53.0	34.5	.251	.239	.188	.197	.	.174	1.50	1.17
041	03-06 1	05.4	48.6	45.9	.280	.284	.234	.252	.208	.237	1.75	0.65
041	03-06 2	12.7	47.0	40.3	.267	.243	.236	.239	.	.	1.64	0.73
041	03-06 3	05.3	36.5	58.2	.308	.280	.248	.264	.264	.242	1.71	0.66
041	06-12 1	3.0	47.1	49.9	.338	.317	.318	.314	.	.256	1.85	0.48
041	06-12 2	6.0	37.4	56.7	.327	.318	.303	.219	.335	.285	1.85	0.47
041	06-12 3	03.0	38.8	58.1	.332	.316	.345	.	.364	.314	1.94	0.30
041	12-24 1	05.8	34.6	59.5	.337	.314	.349	.296	.313	.282	1.85	0.37
041	12-24 2	06.0	37.3	56.7	.332	.299	.314	.334	.254	.277	1.83	0.42
041	12-24 3	08.2	33.4	58.4	.342	.322	.316	.328	.328	.310	1.92	0.34
041	24-36 1	04.2	34.7	61.1	.359	.318	.311	.239	.283	.245	1.80	0.27
041	24-36 2	09.5	32.0	58.5	.348	.328	.370	.339	.280	.302	1.86	0.23
041	24-36 3	05.7	63.8	30.5	.341	.322	.309	.318	.	.	1.90	0.19
041	36+	07.0	34.7	58.3	.334	.316	.346	.366	.370	.319	1.85	0.12
118	00-03 1	.	.	.	.	.	.	.	.	.	.	.
118	00-03 2	08.2	53.2	38.6	.292	.261	.249	.236	.191	.164	1.73	1.75
118	00-03 3	02.5	52.4	44.1	.281	.269	.218	.322	.204	.206	1.70	1.45
118	03-06 1	01.9	40.9	57.2	.346	.307	.	.289	.294	.230	1.83	0.81
118	03-06 2	08.1	35.4	56.5	.323	.298	.376	.316	.282	.275	1.78	.
118	03-06 3	04.0	41.2	54.9	.299	.	.318	.312	.300	.285	1.80	0.82
118	06-12 1	08.4	33.3	58.3	.376	.317	.138	.294	.316	.282	1.83	0.51
118	06-12 2	03.8	35.8	60.5	.339	.313	.225	.306	.262	.273	1.85	0.86
118	06-12 3	00.9	35.8	63.3	.335	.295	.323	.294	.352	.286	1.80	0.50
118	12-24 1	09.7	33.4	57.0	.344	.333	.346	.	.304	.286	1.82	0.51
118	12-24 2	03.4	34.5	62.1	.349	.324	.141	.313	.	.281	1.78	0.43
118	12-24 3	09.5	33.3	58.2	.358	.342	.340	.	.340	.274	1.88	0.42
118	24+	04.8	32.7	62.5	.436	.470	.441	.431	.410	.397	1.56	0.42
128	00-03 1	14.0	54.2	31.7	.261	.217	.203	.193	.164	.183	1.49	1.46
128	00-03 2	10.7	50.6	38.6	.280	.258	.219	.180	.210	.204	1.53	0.89
128	00-03 3	09.8	55.7	34.5	.262	.230	.216	.196	.214	.243	1.56	1.26
128	03-06 1	07.2	55.7	37.1	.267	.234	.200	.	.188	.146	1.63	0.98
128	03-06 2	09.9	55.6	34.4	.248	.238	.218	.214	.194	.157	1.57	1.29
128	03-06 3	16.4	49.1	34.5	.307	.228	.218	.186	.199	.209	1.48	1.06
128	06-12 1	09.4	52.0	38.6	.254	.243	.218	.212	.220	.203	1.57	0.85
128	06-12 2	08.5	54.4	37.1	.245	.220	.205	.265	.202	.195	1.65	0.87
128	06-12 3	10.3	57.5	36.1	.249	.227	.160	.213	.236	.209	1.53	0.96
128	12-24 1	11.0	51.8	37.2	.282	.234	.211	.208	.207	.183	1.78	0.84
128	12-24 2	14.6	48.0	37.4	.244	.228	.208	.212	.171	.176	1.78	0.35

128	12-24	3	16.2	45.2	38.6	.240	.199	.130	.207	.	.179	1.68	0.45
128	24-36	1	08.6	35.3	64.7	.422	.399	.355	.351	.404	.364	1.80	0.33
128	24-36	2	09.9	20.0	70.1	.220	.396	.434	.462	.419	.368	1.81	0.06
128	24-36	3	08.6	21.4	70.0	.424	.405	.454	.395	.377	.342	1.86	0.05
128	36+		03.6	33.5	62.9	.422	.379	.381	.387	.366	.345	1.87	0.23
065	00-03	1	16.8	58.5	24.7	.244	.187	.154	.126	.142	.116	1.51	1.50
065	00-03	2	15.3	57.4	27.4	.221	.188	.159	.139	.159	.147	1.69	1.96
065	00-03	3	12.8	58.6	28.6	.235	.197	.158	.134	.130	.109	1.48	1.29
065	03-06	1	11.2	50.1	28.7	.243	.194	.159	.167	.163	.125	1.60	1.18
065	03-06	2	12.6	58.7	28.7	.235	.193	.143	.151	.119	.144	1.47	1.30
065	03-06	3	10.1	62.5	27.4	.245	.193	.138	.149	.158	.120	1.57	1.30
065	06-12	1	13.7	56.2	30.1	.236	.189	.170	.159	.179	.151	1.61	0.66
065	06-12	2	08.3	59.0	32.8	.224	.203	.155	.159	.157	.130	1.48	0.94
065	06-12	3	14.1	54.7	31.2	.258	.175	.173	.162	.159	.132	1.64	0.64
065	12-24	1	9.9	40.5	49.6	.244	.378	.259	.213	.242	.239	1.90	.
065	12-24	2	10.2	44.2	45.6	.212	.350	.243	.220	.	.217	1.68	0.36
065	12-24	3	06.7	37.0	56.3	.341	.207	.307	.318	.343	.293	1.63	0.46
065	24-36	1	09.9	23.9	66.2	.382	.370	.384	.344	.376	.308	1.83	0.28
065	24-36	2	01.4	56.3	42.3	.401	.357	.403	.368	.318	.327	1.89	0.28
065	24-36	3	08.5	28.2	63.3	.382	.369	.394	.367	.	.334	1.89	0.32
065	36+		09.0	30.8	60.2	.394	.341	.330	.347	.392	.350	1.94	0.16
021	00-03	1	09.1	45.4	45.4	.262	.231	.245	.212	.236	.211	1.58	0.20
021	00-03	2	04.0	50.7	45.3	.357	.243	.221	.184	.209	.210	1.65	0.77
021	00-03	3	05.7	45.8	48.5	.304	.300	.207	.237	.	.	1.54	1.00
021	03-06	1	01.4	49.3	51.4	.311	.276	.276	.245	.249	.296	1.82	0.71
021	03-06	2	02.9	51.4	48.6	.284	.271	.272	.238	.233	.221	1.75	0.72
021	03-06	3	04.6	35.4	60.0	.270	.262	.261	.246	.247	.219	1.81	0.60
021	06-12	1	8.1	44.6	47.3	.368	.289	.282	.270	.230	.249	1.88	0.61
021	06-12	2	16.7	33.8	49.5	.339	.248	.269	.257	.242	.217	1.76	0.50
021	06-12	3	06.0	40.8	53.1	.296	.269	.253	.251	.	.	1.87	0.39
021	12-24	1	07.3	30.4	62.2	.330	.324	.326	.308	.319	.265	1.83	0.45
021	12-24	2	04.1	33.3	62.6	.351	.346	.347	.298	.372	.294	1.79	0.29
021	12-24	3	06.8	37.2	56.2	.304	.279	.278	.273	.	.234	1.90	0.35
021	24-36	1	06.6	35.7	57.7	.348	.292	.293	.303	.	.247	1.90	0.16
021	24-36	2	13.3	33.0	53.7	.348	.323	.333	.303	.300	.262	1.88	0.28
021	24-36	3	07.9	30.6	62.6	.368	.322	.340	.302	.303	.270	1.82	0.40
026	00-03	1	07.6	41.5	50.9	.301	.283	.261	.224	.218	.193	1.85	0.91
026	00-03	2	09.2	38.2	52.6	.313	.273	.282	.251	.261	.273	1.94	0.80
026	00-03	3	05.8	39.6	54.6	.315	.274	.299	.246	.265	.	1.86	0.85
026	03-06	1	01.5	41.0	57.5	.296	.269	.288	.306	.	.279	1.86	0.71
026	03-06	2	07.8	40.7	51.5	.332	.309	.336	.291	.230	.271	1.90	1.01
026	03-06	3	07.6	35.3	57.1	.	.286	.	.283	.266	.235	1.89	0.55
026	06-12	1	05.6	38.3	56.1	.335	.302	.316	.320	.338	.279	1.87	0.53
026	06-12	2	03.8	35.4	61.9	.350	.306	.351	.293	.289	.268	.	0.51
026	06-12	3	07.2	35.5	57.3	.329	.292	.	.266	.	.242	1.80	0.53
026	12-24	1	08.5	34.6	56.8	.339	.312	.324	.305	.299	.261	1.72	0.58
026	12-24	2	05.8	58.7	35.5	.339	.308	.291	.244	.249	.297	1.94	0.82
026	12-24	3	04.0	35.7	60.4	.359	.332	.329	.314	.364	.280	1.93	0.46
026			11.7	32.6	55.7	.369	.326	.311	.309	.265	.	1.84	0.35
106	00-03	1	04.8	36.4	59.8	.306	.267	.288	.277	.280	.235	1.76	0.69
106	00-03	2	03.7	38.5	57.8	.306	.301	.315	.288	.271	.259	1.88	0.52
106	00-03	3	04.5	39.3	56.2	.327	.286	.291	.227	.300	.	1.85	0.58
106	03-06	1	02.8	38.4	58.8	.316	.290	.291	.278	.	.	1.84	0.41
106	03-06	2	4.7	37.6	57.7	.410	.292	.320	.277	.252	.270	1.87	0.46
106	03-06	3	08.2	38.4	53.4	.310	.287	.293	.288	.314	.234	1.76	0.43
106	06-12	1	12.6	35.0	52.4	.340	.303	.304	.270	.243	.254	1.89	0.48
106	06-12	2	15.2	33.7	51.1	.363	.296	.363	.276	.308	.287	1.89	0.38
106	06-12	3	04.4	35.4	60.1	.332	.298	.301	.269	.245	.266	1.80	0.50
106	12-24	1	04.6	38.1	57.2	.348	.292	.323	.277	.304	.294	1.84	0.76
106	12-24	2	05.7	39.6	54.6	.336	.287	.309	.288	.313	.	1.82	0.53

106	12-24	3	01.4	38.3	60.3	.348	.298	.310	.304	.302	.256	1.84	0.45
106	24+		08.7	33.1	58.2	.420	.396	.371	.339	.404	.336	1.78	.
098	00-03	1	05.3	51.3	43.4	.482	.268	.226	.218	.190	.179	1.40	.
098	00-03	2	15.0	37.9	47.1	.307	.261	.250	.333	.264	.248	1.59	1.00
098	00-03	3	20.1	36.8	47.1	.285	.262	.246	.217	.217	.231	1.61	.
098	03-06	1	09.1	40.1	50.8	.312	.287	.262	.234	.281	.228	1.72	1.00
098	03-06	2	04.9	43.5	51.6	.301	.275	.261	.234	.244	.231	1.72	0.91
098	03-06	3	6.2	40.2	53.6	.332	.317	.313	.280	.297	.269	1.78	0.77
098	06-12	1	3.1	38.8	58.1	.	.307	.325	.297	.260	.285	1.66	0.95
098	06-12	2	07.1	32.8	60.1	.348	.298	.326	.310	.318	.	1.82	0.69
098	06-12	3	01.0	41.3	57.8	.331	.320	.288	.297	.278	.250	1.88	0.53
098	12-24	1	06.9	32.8	60.2	.382	.334	.348	.311	.271	.286	1.87	0.48
098	12-24	2	10.3	38.3	51.4	.363	.228	.310	.304	.	.268	1.80	.
098	12-24	3	9.0	30.3	60.7	.320	.309	.340	.316	.327	.276	1.90	.
098	24+		15.9	27.1	57.0	.356	.436	.425	.394	.358	.366	1.80	0.46
012	00-03	1	05.6	43.2	51.2	.258	.270	.	.257	.274	.226	1.89	1.22
012	00-03	2	09.0	48.2	42.8	.288	.248	.236	.204	.228	.226	1.69	0.98
012	00-03	3	12.0	44.0	44.0	.293	.254	.	.304	.212	.185	1.67	.
012	03-06	1	02.5	39.8	57.7	.315	.306	.280	.315	.313	.	1.81	0.50
012	03-06	2	04.2	45.9	49.9	.289	.262	.265	.266	.266	.148	1.87	0.67
012	03-06	3	06.0	37.3	56.7	.552	.307	.348	.311	.286	.261	1.68	0.44
012	06-12	1	03.5	37.2	59.3	.347	.294	.325	.300	.262	.257	1.79	0.48
012	06-12	2	07.8	37.2	55.0	.355	.314	.312	.291	.275	.248	1.82	0.24
012	06-12	3	05.8	56.8	37.3	.349	.296	.288	.311	.298	.256	1.88	0.56
012	12-24	1	02.9	41.0	56.1	.349	.303	.	.306	.305	.289	1.86	0.41
012	12-24	2	03.6	34.4	62.0	.244	.326	.318	.307	.293	.259	1.90	0.44
012	12-24	3	09.2	39.3	51.5	.337	.303	.	.279	.	.258	1.89	0.59
012	24+		16.0	33.1	50.9	.348	.359	.332	.352	.301	.329	1.89	0.04
017	00-03	1	07.1	35.5	57.4	.329	.306	.270	.252	.232	.201	1.86	0.76
017	00-03	2	01.8	42.3	55.9	.303	.	.280	.	.240	.214	1.65	0.69
017	00-03	3	05.6	36.9	57.4	.318	.282	.296	.260	.262	.241	1.67	0.66
017	03-06	1	01.4	37.0	61.7	.330	.244	.276	.286	.289	.255	1.81	0.48
017	03-06	2	06.2	38.6	55.2	.319	.278	.313	.258	.299	.255	1.74	0.47
017	03-06	3	06.5	37.1	56.4	.327	.293	.289	.	.287	.229	1.86	0.55
017	06-12	1	12.4	34.2	53.4	.328	.302	.301	.259	.	.235	1.82	0.19
017	06-12	2	06.7	34.3	59.0	.311	.269	.311	.290	.298	.264	1.88	0.49
017	06-12	3	01.5	38.3	60.2	.326	.301	.294	.260	.286	.282	1.84	0.29
017	12-24	1	02.8	37.0	60.2	.362	.303	.	.341	.349	.297	1.84	0.47
017	12-24	2	9.8	35.0	55.2	.372	.315	.315	.332	.	.268	1.94	0.39
017	12-24	3	05.2	35.7	59.1	.338	.307	.	.290	.329	.	1.87	0.59
017	24-36	1	10.7	35.7	53.6	.320	.295	.321	.304	.311	.266	1.95	0.48
017	24-36	2	08.9	33.1	58.0	.342	.295	.328	.311	.282	.287	1.89	0.39
017	24-36	3	03.7	35.8	60.5	.353	.315	.328	.340	.287	.250	1.88	0.41
017	36+		12.6	30.5	56.9	.476	.347	.433	.410	.445	.393	1.77	0.29
092	00-03	1	08.5	58.8	32.7	.254	.203	.176	.156	.158	.162	1.52	1.33
092	00-03	2	10.3	58.5	31.2	.336	.210	.126	.184	.213	.188	1.55	1.24
092	00-03	3	10.5	58.0	31.6	.260	.202	.178	.187	.199	.	1.54	1.14
092	03-06	1	11.3	48.3	40.4	.299	.233	.228	.234	.237	.188	1.70	0.66
092	03-06	2	00.5	47.7	51.8	.345	.230	.284	.290	.290	.	1.70	0.57
092	03-06	3	04.8	43.5	51.7	.360	.357	.248	.267	.243	.	1.67	0.76
092	06-12	1	03.6	37.2	59.2	.346	.314	.320	.283	.289	.248	1.80	0.24
092	06-12	2	09.2	25.9	62.8	.356	.363	.362	.320	.328	.287	1.93	0.48
092	06-12	3	14.0	30.4	55.6	.364	.331	.325	.340	.351	.	1.88	.
092	12-24	1	10.4	25.2	64.4	.369	.342	.364	.315	.340	.190	1.90	0.37
092	12-24	2	19.3	27.8	59.8	.373	.355	.377	.361	.383	.	1.94	0.11
092	12-24	3	19.7	25.4	54.9	.379	.350	.345	.362	.386	.	1.89	0.37
092	24-36	1	8.6	24.9	66.5	.422	.366	.418	.414	.401	.383	1.81	0.66
092	24-36	2	16.0	22.8	61.2	.440	.364	.425	.421	.370	.342	1.71	0.23
092	24-36	3	19.2	17.2	63.5	.423	.484	.423	.433	.400	.357	1.74	0.18
092	36+		20.2	17.4	62.4	.537	.489	.	.416	.441	.414	1.87	0.20

088	00-03	1	10.3	55.4	34.3	.256	.224	.	.174	.181	.188	1.52	1.13
088	00-03	2	04.3	53.2	42.6	.291	.253	.217	.212	.	.179	1.52	1.02
088	00-03	3	11.7	56.2	32.1	.304	.234	.196	.207	.223	.172	1.40	1.60
088	03-06	1	03.2	51.0	45.7	.321	.289	.266	.269	.286	.246	1.69	1.04
088	03-06	2	02.0	40.9	57.2	.297	.298	.262	.258	.253	.	1.78	0.56
088	03-06	3	03.5	48.3	48.2	.288	.262	.234	.255	.240	.208	1.60	1.12
088	06-12	1	00.2	39.7	60.2	.384	.373	.287	.316	.319	.	1.86	0.42
088	06-12	2	02.7	39.7	60.3	.339	.304	.302	.304	.278	.241	1.73	.67
088	06-12	3	05.8	32.8	61.4	.322	.324	.215	.324	.335	.	1.85	0.57
088	12-24	1	00.3	36.0	63.7	.345	.256	.518	.286	.312	.272	1.90	0.38
088	12-24	2	03.4	40.0	56.6	.349	.307	.	.266	.312	.306	1.89	0.45
088	12-24	3	02.3	37.2	60.6	.348	.318	.	.288	.331	.325	1.90	0.46
088	24+		11.1	26.4	62.5	.394	.389	.414	.377	.338	.373	1.74	0.35
082	0- 3	1	18.3	56.2	25.5	.243	.176	.141	.122	.142	.123	1.54	1.11
082	00-03	2	10.5	64.9	24.6	.248	.173	.146	.128	.128	.106	1.47	0.99
082	00-03	3	14.9	62.9	22.3	.257	.296	.157	.124	.	.102	1.63	1.23
082	03-06	1	07.8	63.7	28.5	.223	.197	.162	.160	.150	.219	1.43	0.84
082	03-06	2	07.4	59.9	32.7	.227	.195	.170	.143	.162	.	1.55	0.80
082	03-06	3	13.6	54.0	32.4	.301	.200	.194	.165	.	.143	1.58	0.86
082	06-12	1	9.0	38.8	52.2	.406	.312	.283	.296	.	.237	1.85	0.44
082	06-12	2	12.3	35.9	51.8	.344	.352	.276	.254	.220	.246	1.77	0.42
082	06-12	3	03.3	38.2	58.6	.367	.344	.289	.288	.311	.296	1.84	0.63
082	12-24	1	04.7	27.6	67.7	.354	.347	.380	.340	.305	.323	1.85	0.26
082	12-24	2	9.2	24.8	66.0	.292	.383	.377	.399	.452	.359	1.87	0.16
082	12-24	3	04.5	36.4	59.0	.383	.555	.378	.332	.316	.296	1.81	0.40

MODEL,T25,CM55000,BN2400223M.
AN ANALYSIS OF SOIL PHYSICAL PROPERTIES OF BEAVER CREEK WATERSHED 9

SP	DEPTH	TEXTURE S	SL	C	SUCTION BARS .33	.66	3	5	10	15	BD	OM
062	00-03 1	28.7	44.9	26.4	.259	.221	.339	.258	.183	.183	1.53	2.54
062	00-03 2	20.1	53.7	26.2	.251	.224	.215	.206	.151	.135	1.31	2.54
062	00-03 3	32.1	43.1	24.8	.271	.228	.168	.197	.154	.132	1.38	2.41
062	03-06 1	22.4	48.7	28.9	.206	.230	.178	.198	.153	.133	1.52	1.52
062	03-06 2	23.0	47.0	30.0	.243	.212	.178	.193	.126	.132	1.69	1.24
062	03-06 3	19.9	48.6	31.5	.227	.210	.176	.195	.153	.144	1.62	1.14
062	06-12 1	22.7	43.2	34.1	.215	.209	.177	.205	.162	.158	1.64	0.87
062	06-12 2	22.2	42.2	35.6	.247	.242	.226	.242	.179	.151	1.52	1.08
062	06-12 3	16.8	48.9	34.3	.214	.281	.194	.216	.168	.165	1.66	0.90

062	12-24	1	.	.	.	.	.	.211	.230	.182	.226	.	0.68
062	12-24	2	15.8	42.1	42.1	.260	.237	.	.	.	.	1.70	0.46
062	12-24	3	.	.	.	.321	.305	.338	.294	.286	.264	1.71	0.75
062	24-36	1	10.2	36.8	53.0	.349	.340	.	.294	.286	.258	1.67	0.59
062	24-36	2	5.3	55.5	39.2	.420	.447	.309	.259	.277	.297	1.77	0.57
062	24-36	3	13.2	31.7	55.1	.385	.404	.363	.240	.332	.	1.71	0.74
063	00-03	1	.	.	.	.325	.268	.	.	.	.	1.48	2.63
063	00-03	2	13.7	53.6	32.7	.287	.268	.	.	.	.	1.36	2.31
063	00-03	3	15.9	52.6	31.5	.269	.243	.	.	.	.	1.44	2.79
063	03-06	1	.	.	.	.288	.248	.	.	.	.	1.60	1.48
063	03-06	2	21.2	43.3	35.5	.260	.211	.	.	.	.	1.46	1.48
063	03-06	3	13.2	52.6	34.2	.259	.241	.	.	.	.	1.47	1.56
063	06-12	1	10.8	49.8	39.4	.244	.222	.	.	.	.	1.56	1.14
063	06-12	2	15.1	47.8	37.1	.258	.225	.	.	.	.	1.65	1.04
063	06-12	3	9.0	38.2	52.8	.266	.226	.	.	.	.	1.62	1.04
063	12-24	1	.	.	.	.542	.536	.	.	.	.	1.79	0.88
063	12-24	2	11.8	41.4	46.8	.572	.518	.	.	.	.	1.66	0.71
063	12-24	3	9.8	36.3	53.9	.557	.487	.	.	.	.	1.79	0.97
063	24-36	1	.	.	.	.599	.551	.	.	.	.	1.72	0.95
063	24-36	2	17.0	18.3	64.7	.585	.558	.	.	.	.	1.79	0.89
063	24-36	3	22.4	15.5	62.1	.488	.550	.	.	.	.	1.82	0.94
060	00-03	1	14.2	55.9	29.9	.294	.253	.	.	.	.	1.51	1.58
060	00-03	2	16.8	52.0	31.2	.340	.244	.	.	.	.	1.65	1.39
060	00-03	3	18.9	49.7	31.4	.266	.233	.	.	.	.	1.55	1.40
060	03-06	1	11.0	49.7	39.3	.228	.234	.	.	.	.	1.60	0.84
060	03-06	2	17.3	47.6	35.1	.231	.228	.	.	.	.	1.64	1.07
060	03-06	3	15.8	47.4	36.8	.255	.210	.	.	.	.	1.63	0.86
060	06-12	1	12.3	42.5	45.2	.320	.288	.	.	.	.	1.68	0.72
060	06-12	2	20.0	40.0	40.0	.322	.285	.	.	.	.	1.68	0.62
060	06-12	3	5.9	41.5	52.6	.531	.500	.	.	.	.	1.56	0.61
060	12-24	1	2.3	12.6	85.1	.496	.469	.	.	.	.	1.75	0.23
060	12-24	2	7.8	46.1	46.1	.586	.512	.	.	.	.	1.70	0.61
060	12-24	3	8.4	20.8	70.8	.639	.597	.	.	.	.	1.60	0.35
060	24-36	1	8.2	20.0	71.8	.619	.547	.	.	.	.	1.79	0.59
060	24-36	2	4.5	28.1	67.4	.741	.594	.	.	.	.	1.70	0.59
060	24-36	3	16.7	14.4	68.9	.695	.514	.	.	.	.	1.59	0.57
056	00-03	1	.	.	.	.249	.152		.166	.140	.128	1.46	2.24
056	00-03	2	.	.	.	.256	.265	.185	.166	.	.	1.47	1.84
056	00-03	3	28.6	49.7	21.7	.	.	.218	.164	.	.	.	1.92
056	03-06	1	27.8	49.0	23.2	.247	.235	.	.155	.133	.129	1.47	1.18
056	03-06	2	21.4	50.2	28.3	.233	.227	.	.201	.	.	1.47	1.20
056	03-06	3	23.8	45.2	40.0	.257	.448	.182	.163	.	.	1.45	1.26
056	06-12	1	26.3	45.3	28.4	.209	.		.181	.141	.136	1.27	1.12
056	06-12	2	25.2	43.8	40.0	.235	.228	.182	.160	.	.	.	0.87
056	06-12	3	27.8	41.3	30.9	.216	.	.175	.157	.	.	.	1.13
056	12-24	1	19.4	34.4	46.2	.317	.344	.	.257	.232	.224	1.62	0.47
056	12-24	2	.	.	.	.243	.222	.176	.158	.	.	1.46	0.59
056	12-24	3	15.8	32.1	52.1	.369	.344	.298	.282	.	.	1.46	0.40
056	24-36	1	.	.	.	.402	.412	.	.331	.306	.300	1.31	0.45
056	24-36	2	19.6	25.5	54.9	.352	.410	.	.330	.	.	1.35	0.48
056	24-36	3	12.2	29.7	58.1	.417	.386	.318	.297	.	.	1.41	0.60
056	36-48	1	11.0	29.7	59.3	.527	.416	.	.322	.295	.284	1.00	0.55
056	36-48	2	13.4	59.1	27.5	.510	.439	.380	.350	.	.	1.14	0.84
056	36-48	3	39.2	34.4	26.4	.411	.292	.328	.306	.	.	1.07	0.49
055	00-03	1	20.3	59.1	20.6	.254	.157	.	.142	.112	.108	1.38	1.88
055	00-03	2	26.6	51.5	21.9	.249	.171	.	.	.	.	1.46	2.07
055	00-03	3	26.6	51.5	21.9	.	.	.	.	.	.	.	1.84
055	03-06	1	21.4	56.7	21.9	.261	.236	.	.158	.131	.119	1.31	1.38
055	03-06	2	21.9	53.8	24.3	.215	.193	.	.	.	.	1.63	1.26
055	03-06	3	25.6	49.9	24.5	.217	.214	.	.	.	.	1.47	1.45

055	06-12	1	15.9	59.5	24.6	.250	.217	.	.162	.138	.130	1.57	0.85
055	06-12	2	20.7	49.4	29.9	.221	.172	.211	.188	.167	.	1.51	0.68
055	06-12	3	.	.	.	.	.	.	.	.	.	.	.
055	12-24	1	12.6	42.4	45.0	.281	.248	.	.287	.245	.241	1.58	0.44
055	12-24	2	14.4	40.8	44.8	.348	.273	.	.254	.236	.218	1.59	1.46
055	12-24	3	13.5	44.6	41.9	.244	.317	.	.238	.227	.179	1.64	0.46
055	24+		24.2	30.6	45.2	.339	.297	.	.296	.279	.247	1.49	0.93
023	00-03	1	14.9	57.6	27.5	.359	.221	.	.	.	.	1.32	0.83
023	00-03	2	24.5	48.2	27.3	.244	.240	.	.	.	.	1.11	2.69
023	00-03	3	13.0	61.0	26.0	.	.	.	.	.	.	1.24	1.90
023	03-06	1	.	.	.	.262	.230	.	.	.	.	1.41	1.10
023	03-06	2	17.6	51.0	31.4	.224	.215	.	.	.	.	1.56	0.87
023	03-06	3	.	.	.	.254	.211	.	.	.	.	1.50	1.05
023	06-12	1	15.8	46.0	38.2	.224	.201	.	.	.	.	1.73	0.77
023	06-12	2	23.8	37.4	38.8	.379	.404	.	.	.	.	1.64	0.98
023	06-12	3	16.9	45.6	37.5	.262	.226	.	.	.	.	1.59	0.74
023	12-24	1	4.0	22.6	73.4	.599	.535	.	.366	.444	.435	1.76	0.64
023	12-24	2	3.2	24.9	71.9	.517	.508	.	.	.	.	1.82	0.55
023	12-24	3	9.7	18.3	72.0	.647	.548	.	.	.	.	1.75	0.52
023	24-28		6.5	30.7	62.8	.569	.555	.	.	.	.	1.69	1.08
022	00-03	1	9.7	57.9	32.3	.344	.258	.	.	.	.	1.53	5.59
022	00-03	2	14.2	55.4	30.4	.385	.333	.	.	.	.	1.39	5.48
022	00-03	3	14.9	58.5	26.6	.345	.285	.	.	.	.	1.31	.
022	03-06	1	23.8	42.0	34.2	.252	.238	.	.	.	.	1.63	2.16
022	03-06	2	24.1	40.6	35.3	.255	.249	.	.	.	.	1.57	2.09
022	03-06	3	12.1	52.5	35.4	.303	.238	.	.	.	.	1.55	2.35
022	06-12	1	11.6	39.6	48.9	.278	.249	.	.	.	.	1.62	0.44
022	06-12	2	15.2	35.8	49.0	.299	.289	.	.	.	.	1.65	1.09
022	06-12	3	22.2	35.6	42.2	.280	.284	.	.	.	.	1.70	1.26
022	12-24		13.5	34.6	51.9	.332	.340	.	.	.	.	1.71	1.19
021	00-03	1	4.7	54.3	41.0	.282	.265	.	.	.	.	1.52	2.05
021	00-03	2	17.8	48.3	33.9	.273	.229	.	.	.	.	1.57	1.61
021	00-03	3	25.8	46.9	27.3	.309	.271	.	.	.	.	1.32	2.22
021	03-06	1	14.7	40.7	44.6	.318	.235	.	.233	.183	.235	1.71	0.96
021	03-06	2	16.8	50.7	32.5	.262	.222	.	.	.	.	1.55	1.28
021	03-06	3	5.0	26.8	68.2	.359	.328	.	.	.	.	1.77	0.90
021	06-12	1	5.3	36.0	58.7	.335	.261	.	.	.	.	1.80	0.63
021	06-12	2	3.4	28.2	68.4	.380	.343	.	.	.	.	1.83	0.59
021	06-12	3	10.6	32.0	57.4	.330	.330	.	.	.	.	1.79	0.57
021	12-21		1.7	54.6	43.7	.507	.425	.	.	.	.	1.77	0.53
113	00-03	1	15.8	41.5	42.7	.251	.251	.	.166	.128	.126	1.54	1.86
113	00-03	2	22.3	49.2	28.5	.	.242	.292	.154	.134	.	.	2.02
113	00-03	3	15.6	53.2	31.2	.290	.245	.174	.159	.155	.	1.52	2.30
113	03-06	1	18.1	44.2	37.7	.242	.226	.189	.191	.168	.163	1.59	1.36
113	03-06	2	17.9	40.4	41.7	.260	.221	.187	.171	.161	.	1.59	1.34
113	03-06	3	15.4	45.6	39.0	.249	.229	.186	.179	.151	.	1.56	1.30
113	06-12	1	19.9	39.4	80.1	.262	.235	.	.223	.205	.190	1.70	1.02
113	06-12	2	15.6	44.1	40.3	.280	.237	.201	.194	.167	.	1.76	1.14
113	06-12	3	15.4	43.0	41.6	.254	.235	.195	.183	.138	.	1.65	1.12
113	12-21		17.3	38.1	44.6	.276	.257	.225	.210	.179	.	1.67	0.92
115	00-03	1	15.2	57.5	27.3	.280	.261	.186	.206	.161	.162	1.32	2.87
115	00-03	2	15.5	57.2	27.3	.341	.246	.181	.169	.	.	1.42	2.75
115	00-03	3	10.3	58.5	31.2	.275	.259	.	.	.	.	1.36	2.37
115	03-06	1	17.0	50.6	32.4	.243	.224	.	.187	.168	.162	1.44	1.31
115	03-06	2	19.4	48.1	32.5	.253	.214	.	.	.	.	1.46	1.02
115	03-06	3	11.5	56.0	32.5	.245	.221	.	.	.	.	1.38	1.35
115	06-12	1	18.0	44.2	37.8	.285	.218	.	.193	.172	.167	.	0.66
115	06-12	2	18.3	50.6	31.1	.235	.240	.	.	.	.	1.66	0.99
115	06-12	3	16.5	44.4	39.1	.259	.228	.	.	.	.	1.66	1.02
115	12-24	1	17.1	33.4	49.5	.444	.407	.	.304	.251	.226	1.62	0.42

115	12-24	2	3.9	35.2	60.9	.555	.466	.	.	.	.	.	1.72	0.88
115	12-24	3	8.1	27.0	64.9	.481	.413	.	.	.	.	.	1.78	0.65
115	24-36	1	14.9	24.5	60.6	.597	.570	.	.	.	.394	.351	1.67	0.55
115	24-36	2	31.2	18.3	50.5	.657	.668	.	.	.	.	.	1.63	0.51
115	24-36	3	31.2	19.7	49.1	.643	.339	.	.	.	.	.	1.67	0.54
115	36+		27.1	20.0	52.9	.667	.608	.	.	.	.	.	1.55	0.48
117	00-03	1	14.8	56.8	28.4	.262	.223	.	.188	.139	.149	1.46	1.50
117	00-03	2	11.5	57.3	31.2	.256	.218	.	.	.	.	.	1.49	1.44
117	00-03	3	16.8	53.3	29.9	.257	.223	.	.	.	.	.	1.55	1.72
117	03-06	1	14.9	44.5	40.6	.279	.223	.	.	.	.	.	1.56	1.26
117	03-06	2	6.5	38.7	54.8	.419	.324	.	.	.	.	.	1.74	1.19
117	03-06	3	10.2	49.5	40.3	.222	.229	.	.	.	.	.	1.61	1.22
117	06-12	1	11.7	42.2	46.1	.392	.348	.	.	.	.	.	1.77	0.83
117	06-12	2	9.1	36.1	54.8	.437	.383	.	.	.	.	.	1.77	0.82
117	06-12	3	9.3	37.3	53.3	.364	.268	.	.	.	.	.	1.77	0.87
117	12-24	1	6.6	31.1	62.3	.434	.	.	.476	.315	.302	1.78	0.80
117	12-24	2	6.9	33.7	59.4	.434	.430	.	.	.	.	.	1.81	0.62
117	12-24	3	6.0	32.7	61.3	.590	.523	.	.	.	.	.	1.68	0.70
117	24+		8.7	29.5	61.8	.682	.574	.	.390	.161	.	.	1.27	0.58
117	24+		25.9	39.8	34.3	.640	.345						.	0.92
118	00-03	1	12.3	57.6	30.1	.293	.243	.	.	.	.	.164	1.30	2.98
118	00-03	2	13.2	61.8	25.0	.309	.483	.	.	.	.	.	1.41	2.97
118	00-03	3	11.0	61.5	27.5	.306	.300	.	.	.	.	.	1.25	3.06
118	03-06	1	16.2	55.4	28.4	.249	.196	.	.265	.188	.126	1.50	2.55
118	03-06	2	37.9	40.1	22.0	.247	.239	.	.	.	.	.	1.42	2.24
118	03-06	3	16.7	52.1	31.2	.	.	.	.	.	.	.	.	1.49
118	06-12	1	15.2	47.0	37.8	.214	.218	.	.202	.160	.163	1.50	1.33
118	06-12	2	16.8	45.5	37.7	.263	.246	.	.	.	.	.	1.57	1.22
118	06-12	3	10.0	52.2	37.8	.257	.221	.	.	.	.	.	1.57	1.07
118	24+		12.7	41.0	46.3	.304	.	.	.	.	.	.	1.50	1.29
026	00-03	1	11.6	53.3	35.1	.240	.231	.	.213	.164	.143	1.65	1.13
026	00-03	2	24.4	43.0	32.6	.248	.214	.	.	.	.	.	1.50	1.34
026	00-03	3	16.8	51.2	32.0	.252	.180	.	.	.	.	.	1.65	0.96
026	03-06	1	14.3	48.0	37.7	.229	.219	.	.231	.187	.154	1.62	0.98
026	03-06	2	12.8	50.8	36.4	.267	.237	.	.	.	.	.	1.53	1.12
026	03-06	3	9.2	44.7	46.1	.285	.283	.	.	.	.	.	1.60	0.94
026	06-12	1	9.0	53.3	37.7	.249	.238	.308	.328	.312	.178	1.68	0.93
026	06-12	2	10.2	49.5	40.3	.242	.228	.	.	.	.	.	1.68	1.29
026	06-12	3	5.7	36.7	57.6	.424	.449	.	.	.	.	.	1.78	1.04
026	12-24	1	10.7	47.3	42.0	.594	.479	.	.278	.210	.264	1.81	0.81
026	12-24	2	.	.	.	.	.	.	.	.	.	.	.	.
026	12-24	3	.	.	.	.564	.522	.	.	.	.	.	1.76	0.84
026	24+		5.4	25.1	69.5	.567	.513	.	.	.	.	.	1.65	.
057	00-03	1	14.9	56.7	28.4	.279	.269	.					1.31	2.78
057	00-03	2	16.6	55.2	28.2	.294	.268	.					1.62	2.20
057	00-03	3	15.9	54.7	29.4	.334	.264	.	.	.	.	.	1.39	3.19
057	03-06	1	12.8	53.4	33.8	.290	.257	.	.	.	.	.	1.60	1.52
057	03-06	3	18.6	50.4	31.0	.264	.250	.	.	.	.	.	1.63	.
057	06-12	1	6.7	52.6	40.7	.292	.254	.	.	.	.	.	1.57	1.30
057	06-12	2	4.8	50.2	45.0	.332	.310	.	.	.	.	.	1.54	1.37
057	06-12	3	8.2	52.5	39.3	.286	.258	.	.	.	.	.	1.56	1.40
057	12+		42.3	26.7	31.0	.587	.562	.	.	.	.	.	1.33	0.39
018	00-03	1	11.6	52.8	35.6	.	.302	.	.290	.238	.234	1.34	2.98
018	00-03	2	10.0	50.3	39.7	.306	.302	.	.	.	.	.	1.16	.
018	00-03	3	13.0	48.8	38.2	.376	.317	.	.	.	.	.	1.22	3.76
018	03-06	1	13.7	49.7	36.6	.312	.328	.	.360	.217	.227	1.57	3.68
018	03-06	2	9.0	52.0	39.0	.284	.285	.	.	.	.	.	1.47	2.82
018	03-06	3	11.8	48.7	39.5	.292	.286	.	.	.	.	.	1.55	2.75
018	06-12	1	22.3	52.7	25.0	.302	.316	.	.310	.197	.	.	1.47	2.77
018	06-12	2	13.1	46.1	40.8	.309	.311	.	.	.	.	.	1.51	2.26

018	06-12	3	10.3	44.8	44.9	.145	.278	.	.	.	.		1.44	2.10
110	00-03	1	31.7	45.1	23.2	.273	.221	.	.	.	.		1.50	2.49
110	00-03	2	22.4	51.7	25.9	.267	.332	.	.	.	.		0.98	3.05
110	00-03	3	14.7	55.6	29.7	.274	.225	.	.	.	.		1.45	2.19
110	03-06	1	14.9	54.2	30.9	.209	.219	.	.	.	.		1.48	1.52
110	03-06	2	32.6	45.8	21.6	.198	.168	.	.	.	.		1.52	1.35
110	03-06	3	26.7	56.6	16.7	.212	.183	.	.	.	.		1.48	1.38
110	06-12	1	22.5	45.2	32.3	.245	.229	.	.	.	.		1.66	1.48
110	06-12	2	31.0	39.1	29.9	.266	.230	.	.	.	.		1.61	.
110	06-12	3	21.1	45.3	33.6	.248	.201	.	.	.	.		1.61	1.03
081	00-03	1	28.2	41.8	30.0	.285	.265	.	.209	.	.		1.44	2.97
081	00-03	2	24.6	41.6	33.8	.278	.246	.	.	.	.		1.27	2.07
081	00-03	3	23.0	44.4	32.6	.329	.270	.	.	.	.		1.51	2.72
081	03-06	1	21.9	48.2	29.9	.262	.256	.	.	.	.		1.49	2.42
081	03-06	2	23.0	43.1	33.9	.275	.264	.	.	.	.		1.52	2.14
081	03-06	3	17.9	45.6	36.5	.305	.269	.	.	.	.		1.50	2.32
081	06-12	1	20.0	44.6	35.4	.292	.274	.	.	.	.		1.55	1.50
081	06-12	2	17.3	47.3	35.4	.280	.257	.	.194	.158	.126		1.66	1.50
081	06-12	3	23.3	47.6	29.1	.284	.270	.	.	.	.		1.58	1.40
081	12-24	1	20.6	34.4	45.0	.329	.259	.	.277	.	.236		1.61	0.90
081	12-24	2	19.5	33.0	45.7	.319	.304	.	.	.	.		1.65	0.91
081	12-24	3	43.3	14.5	42.2	.316	.279	.	.	.	.		1.68	1.12
081	24-36	1	23.6	24.3	52.1	.531	.465	.446	.341	.	.318		1.75	0.47
081	24-36	2	19.3	26.9	53.8	.417	.330	.	.	.	.		1.75	0.55
081	24-36	3	26.2	19.3	54.5	.370	.367	.	.	.	.		1.77	0.90
080	00-03	1	33.0	42.5	24.5	.276	.297	.	.	.	.		1.29	2.92
080	00-03	2	33.0	46.4	20.6	.295	.254	.	.	.	.		1.35	2.96
080	00-03	3	31.8	42.0	26.2	.330	.332	.	.	.	.		1.34	4.58
080	03-06	1	27.9	42.5	29.6	.277	.260	.264	.208	.	.193		1.29	2.56
080	03-06	2	19.4	45.5	35.1	.263	.233	.	.	.	.		1.44	2.84
080	03-06	3	21.8	43.0	35.2	.227	.234	.	.	.	.		1.55	2.75
080	06-12	1	24.9	35.6	39.5	.441	.253	.	.	.	.		1.55	1.45
080	06-12	2	18.9	33.2	47.9	.313	.368	.308	.	.	.221		1.59	1.08
080	06-12	3	24.6	25.1	50.3	.393	.418	.	.	.	.		1.67	1.00
080	12-12		25.1	21.8	53.1	.466	.389	.	.	.	.		1.50	1.09
083	00-03	1	23.5	48.0	28.5	.263	.246	.	.	.	.		1.68	1.97
083	00-03	2	22.3	49.2	28.5	.291	.248	.	.	.	.		1.55	1.89
083	00-03	3	25.8	45.6	28.6	.289	.256	.	.	.	.		1.46	2.43
083	03-06	1	18.0	49.5	32.5	.258	.233	.	.	.	.		1.49	1.38
083	03-06	2	20.6	41.7	37.7	.252	.231	.	.	.	.		1.60	1.17
083	03-06	3	25.6	36.6	37.8	.244	.236	.	.	.	.		1.63	1.35
083	06-12	1	26.2	31.1	42.7	.272	.264	.	.	.	.		1.63	0.90
083	06-12	2	19.5	14.8	65.7	.488	.404	.	.	.	.		1.59	0.84
083	06-12	3	12.3	21.6	66.1	.491	.520	.	.	.	.		1.78	0.68
083	12-24	1	14.8	14.9	70.3	.463	.386	.	.452	.	.362		1.75	0.61
083	12-24	2	16.3	18.6	65.1	.487	.442	.	.	.	.		1.78	0.61
083	12-24	3	19.0	18.9	62.1	.492	.408	.	.	.	.		1.67	0.37
085	00-03	1	17.0	56.2	28.8	.232	.205	.197	.155	.	.128		1.33	1.52
085	00-03	2	18.6	56.9	24.5	.232	.231	.	.	.	.		1.67	1.99
085	00-03	3	12.7	55.2	32.1	.248	.211	.	.	.	.		1.47	1.62
085	03-06	1	13.3	54.4	29.3	.174	.210	.219	.195	.	.146		1.47	0.88
085	03-06	2	16.6	53.9	29.5	.216	.205	.	.	.	.		1.53	1.24
085	03-06	3	12.5	56.6	30.9	.226	.204	.	.	.	.		1.54	1.20
085	06-12	1	10.3	46.8	42.9	.322	.208	.264	.269	.	.241		1.66	0.89
085	06-12	2	22.4	41.4	36.2	.414	.340	.	.	.	.		1.54	0.85
085	06-12	3	21.1	41.4	37.5	.242	.323	.	.	.	.		1.64	0.81
085	12-24	1	9.2	26.7	64.1	.449	.451	.462	.402	.	.340		1.55	0.65
085	12-24	2	10.5	30.3	59.2	.524	.	.	.	.	.		1.61	0.73
085	12-24	3	7.4	32.2	60.4	.468	.390	.	.	.	.		1.66	0.85
085	24-24		17.2	26.3	56.5	.	.498	.	.	.	.		.	0.42

049	00-03	1	19.5	50.2	30.3	.287	.295	.	.216	.	.171	1.43	2.69
049	00-03	2	25.4	43.2	31.4	.283	.295	.	.	.	.	1.58	2.75
049	00-03	3	19.5	48.8	31.7	.304	.277	.	.	.	.	.	2.37
049	03-06	1	46.0	18.4	35.6	.	.	.331	.262	.	.212	.	.
049	03-06	2	15.7	46.7	37.6	.313	.272	.	.	.	.	1.65	1.46
049	03-06	3	30.3	43.4	26.3	.343	.272	.	.	.	.	.	1.93
049	06-12	1	12.9	39.0	48.1	.434	.346	.295	.373	.	.311	1.73	1.05
049	06-12	2	14.2	39.6	46.2	.374	.371	.	.	.	.	1.79	0.75
049	06-12	3	18.6	37.4	44.0	.332	.336	.	.	.	.	1.63	0.74
049	12-24	1	4.3	57.4	38.3	.537	.455	.	.	.	.340	1.84	0.52
049	12-24	2	11.0	27.0	62.0	.504	.473	.	.	.	.	1.85	0.54
049	12-24	3	7.4	27.2	65.4	.484	.422	.	.	.	.	1.79	0.54
049	24-36	1	18.8	20.3	60.9	.514	.453	.	.	.	.336	1.61	0.10
049	24-36	2	9.5	30.6	59.9	.507	.486	.	.	.	.	1.85	0.33
049	24-36	3	9.7	27.4	62.9	.482	.434	.	.	.	.	1.75	0.32
049	36+		14.0	26.9	59.1	.641	.449	.	.	.	.	1.54	0.93
047	00-03	1	19.8	51.7	28.5	.343	.355	.264	.222	.	.142	1.04	3.05
047	00-03	2	27.5	44.0	28.5	.357	.	.	.	.	.	1.35	.
047	00-03	3	29.6	49.9	20.5	.313	.283	.	.	.	.	1.49	2.40
047	03-06	1	15.0	54.1	30.9	.258	.257	.215	.202	.	.	1.44	1.15
047	03-06	2	29.4	44.9	25.7	.325	.274	.	.	.	.147	1.42	2.01
047	03-06	3	24.2	47.5	28.3	.276	.263	.	.	.	.	1.33	1.30
047	06-12	1	39.6	37.3	23.1	.294	.260	.248	.194	.	.	1.31	1.17
047	06-12	2	26.9	43.6	29.5	.252	.228	.	.	.	.131	0.76	0.73
047	06-12	3	21.1	46.8	32.1	.302	.230	.	.	.	.	1.32	1.20
046	00-03	1	11.4	54.7	33.9	.278	.288	.	.	.	.	1.25	2.98
046	00-03	2	23.3	49.4	27.3	.	.	.	.	.	.	1.46	3.07
046	00-03	3	23.5	50.6	25.9	.310	.258	.	.	.	.	1.35	2.65
046	03-06	1	16.0	47.8	36.2	.291	.256	.292	.218	.	.191	1.56	2.74
046	03-06	2	11.3	49.6	39.1	.310	.281	.	.	.	.	1.61	2.44
046	03-06	3	9.6	49.1	41.3	.299	.288	.	.	.	.	1.40	2.54
046	06-12	1	7.3	45.0	47.7	.266	.264	.	.	.	.	1.54	1.54
046	06-12	2	13.4	47.2	39.4	.283	.265	.	.	.	.	1.45	1.52
046	06-12	3	8.6	44.4	47.0	.281	.266	.	.	.	.	1.38	1.54
013	00-03	1	24.0	52.0	24.0	.506	.253	.	.377	.	.342	1.35	10.63
013	00-03	2	28.8	45.7	25.5	.	.477	.	.	.	.	1.03	.
013	00-03	3	20.3	50.3	29.4	.362	.314	.	.	.	.	0.86	10.75
013	03-06	2	12.1	58.2	29.7	.259	.232	.	.	.	.	1.50	2.46
013	03-06	3	17.7	51.4	30.9	.317	.215	.	.	.	.	1.48	1.73
013	03-06	1	21.4	52.8	25.8	.	.	.324	.269	.	.	1.29	.
013	06-12	1	12.0	54.4	33.6	.229	.194	.242	.210	.176	.132	1.56	1.31
013	06-12	2	15.1	47.6	37.3	.305	.229	.	.	.	.	1.53	1.04
013	06-12	3	20.4	47.0	32.6	.255	.224	.	.	.	.	1.55	0.89
013	12-24	1	12.9	49.4	37.7	.	.	.	.	.	.	1.63	1.26
013	12-24	2	16.4	66.6	17.0	.272	.256	.	.	.	.	1.78	1.04
013	12-24	3	23.7	34.9	41.4	.236	.194	.	.	.	.	1.63	0.62
013	24-24		47.9	10.4	41.7	.280	.269	.	.	.	.	1.73	0.54
014	00-03	1	26.0	51.5	22.5	.382	.331	.365	.274	.242	.203	1.07	.
014	00-03	2	32.9	48.7	18.4	.284	.322	.	.	.	.	1.12	5.47
014	00-03	3	31.6	48.7	19.7	.362	.327	.	.	.	.	0.90	10.16
014	03-06	1	22.6	52.5	24.9	.297	.227	.286	.221	.184	.151	1.31	4.59
014	03-06	2	24.6	53.3	22.1	.331	.285	.	.	.	.	1.28	3.05
014	03-06	3	46.4	28.7	24.8	.163	.279	.	.	.	.	1.19	4.27
014	06-12	1	20.8	46.8	32.4	.	.	.281	.205	.190	.159	.	1.02
014	06-12	2	51.8	15.6	32.6	.295	.264	.	.	.	.	1.54	2.11
014	06-12	3	.	.	.	.214	.230	.	.	.	.	1.49	1.07
014	12-24	1	18.9	47.1	34.0	.	.	.224	.204	.184	.161	.	0.71
014	12-24	2	16.3	48.4	35.3	.272	.269	.	.	.	.	1.51	0.94
014	12-24	3	18.2	45.4	36.4	.588	.244	.	.	.	.	1.35	0.45
014	24-24		26.3	47.8	25.9	.289	.245	.	.	.	.	.	0.64

105	00-03	1	30.9	52.5	16.6	.245	.209	.199	.	.140	.082	1.41	1.39
105	00-03	2	27.0	53.8	19.2	.236	.200	.	.	.	.	1.45	1.72
105	00-03	3	29.7	52.4	17.9	.	.171	.	.	.	.	1.53	1.22
105	03-06	1	19.3	57.6	23.1	.217	.226	.256	.196	.157	.111	1.60	1.35
105	03-06	2	22.3	52.2	25.5	.249	.191	.	.	.	.	1.46	1.48
105	03-06	3	21.5	54.0	24.4	.255	.203	.	.	.	.	1.40	1.44
105	06-12	1	20.3	52.7	27.0	.130	.228	.217	.185	.172	.124	1.26	0.94
105	06-12	2	35.6	30.9	33.5	.247	.213	.	.	.	.	1.63	1.03
105	06-12	3	17.2	45.3	37.5	.204	.184	.	.	.	.	1.45	1.05
105	12-24	1	17.9	55.2	26.9	.222	.197	.274	.207	.188	.155	1.53	0.65
105	12-24	2	17.9	43.0	39.1	.210	.279	.	.	.	.	1.63	0.70
105	12-24	3	14.1	49.5	36.4	.240	.186	.	.	.	.	1.60	0.84
105	24+		22.7	34.1	34.2	.374	.327	.	.	.	.	1.56	0.44
075	00-03	1	12.6	66.8	20.6	.263	.	.238	.167	.141	.110	1.55	3.00
075	00-03	2	24.9	55.7	19.4	.171	.188	.	.	.	.	1.52	2.41
075	00-03	3	.	.	.	.	.	.	.	.	.	.	2.74
075	03-06	1	31.8	43.8	24.4	.192	.202	.215	.194	.171	.125	1.56	2.62
075	03-06	2	25.6	52.6	21.8	.198	.222	.	.	.	.	1.66	1.44
075	03-06	3	31.7	50.3	18.0	.221	.189	.	.	.	.	1.74	2.19
075	06-12	1	18.9	52.8	28.3	.204	.202	.236	.188	.155	.127	1.61	1.42
075	06-12	2	24.1	47.6	28.3	.190	.191	.				1.66	1.03
075	06-12	3	22.8	50.2	27.0	.202	.312	.	.	.	.	1.61	1.45
075	12-24	1	26.3	38.8	34.9	.247	.232	.234	.220	.146	.160	1.74	0.79
075	12-24	2	31.1	27.3	41.6	.238	.232	.	.	.	.	.	0.57
075	12-24	3	26.1	36.3	37.6	.321	.219	.	.	.	.	1.90	0.76
075	24-36	1	23.2	37.1	39.7	.253	.262	.	.	.	.	1.74	0.37
075	24-36	2	23.0	32.6	44.4	.238	.254	.225	.225	.188	.166	1.73	0.17
075	24-36	3	20.3	36.6	43.1	.272	.251	.	.	.	.	1.85	0.28
036	00-03	1	20.2	48.9	30.9	.191	.196	.	.	.	.	1.58	1.09
036	00-03	2	19.0	52.7	28.3	.207	.205	.162	.138	.121	.117	1.74	1.36
036	00-03	3	17.9	59.0	23.1	.209	.156	.	.	.	.	1.70	0.69
036	03-06	1	17.3	50.4	32.3	.239	.207	.	.	.	.	1.67	1.07
036	03-06	2	19.4	48.6	32.0	.238	.202	.270	.204	.168	.140	1.63	1.07
036	03-06	3	16.4	45.0	38.6	.251	.230	.	.	.	.	1.64	1.06
036	06-12	1	25.3	34.1	40.6	.310	.366	.	.	.	.	1.66	0.79
104	00-03	1	28.2	23.1	48.7	.217	.201	.	.	.	.	1.70	1.62
104	00-03	2	26.3	48.3	25.4	.285	.298	.	.	.	.	1.27	1.32
104	00-03	3	21.6	52.7	25.7	.244	.202	.	.	.	.	1.68	2.31
104	03-06	1	21.2	55.6	23.2	.264	.268	.	.	.	.	1.69	.
104	03-06	2	14.0	40.4	45.9	.274	.281	.	.	.	.	1.73	1.39
104	03-06	3	9.9	43.1	47.0	.321	.296	.	.	.	.	1.69	1.48
103	00-03	1	20.1	59.6	20.3	.268	.216	.	.	.	.	1.53	1.68
103	00-03	2	14.6	62.4	23.0	.268	.220	.	.	.	.	1.44	1.72
103	00-03	3	15.0	60.9	24.1	.231	.200	.	.	.	.	1.53	1.37
103	03-06	1	30.3	44.4	25.3	.264	.264	.179	.162	.156	.102	1.43	0.15
103	03-06	2	15.2	59.5	25.3	.253	.220	.	.	.	.	1.43	1.06
103	03-06	3	17.5	58.4	24.1	.231	.204	.	.	.	.	1.43	1.41
103	06-12	1	27.5	47.1	25.4	.244	.207	.194	.164	.141	.124	1.46	1.12
103	06-12	2	11.5	55.2	33.3	.	.314	.	.	.	.	1.62	0.59
103	06-12	3	9.6	57.3	33.1	.259	.	.	.	.	.	1.65	0.69
103	12-24	1	15.7	46.1	38.2	.281	.327	.298	.246	.205	.178	1.67	0.48
103	12-24	2	20.0	39.3	40.7	.212	.307	.	.	.	.	1.40	0.84
103	12-24	3	20.1	45.1	34.8	.224	.231	.	.	.	.	.	0.66
102	00-03	1	26.9	35.9	37.2	.262	.210	.270	.208	.183	.154	1.76	1.68
102	00-03	2	18.6	45.8	35.6	.268	.193	.	.	.	.	1.64	0.98
102	00-03	3	23.5	54.5	22.0	.248	.231	.	.	.	.	1.64	1.29
102	03-06	1	10.9	39.3	49.8	.331	.246	.253	.223	.210	.190	1.71	1.26
102	03-06	2	17.9	30.0	52.1	.337	.332	.	.	.	.	1.74	0.98
102	03-06	3	8.6	33.1	58.3	.359	.280	.	.	.	.	1.74	1.15
102	06-12	1	11.4	26.1	62.5	.406	.383	.347	.305	.279	.262	1.75	1.08

102	06-12	2	10.0	34.4	55.6	.434	.401	.	.	.	.	1.69	1.09
102	06-12	3	9.1	55.3	35.6	.451	.406	.	.	.	.	1.80	0.74
102	12+		24.8	25.1	50.1	.339	.397	.	.	.	.	1.71	0.61
101	00-03	1	16.8	56.3	26.9	.215	.231	.186	.151	.128	.118	1.59	2.17
101	00-03	2	12.6	60.4	27.0	.229	.209	.	.	.	.	1.55	1.18
101	00-03	3	19.6	53.6	26.8	.252	.	.	.	.	.	1.55	1.61
101	03-06	1	16.0	54.7	29.3	.228	.214	.178	.161	.134	.121	1.55	1.01
101	03-06	2	17.0	52.4	30.6	.229	.214	.	.	.	.	1.60	1.31
101	03-06	3	13.8	56.6	29.6	.216	.225	.	.	.	.	1.66	0.91
101	06-12	1	18.8	58.0	23.2	.226	.196	.200	.174	.152	.132	1.67	0.62
101	06-12	2	12.7	50.8	36.5	.209	.229	.	.	.	.	1.66	0.54
101	06-12	3	17.6	41.3	41.1	.247	.373	.	.	.	.	1.67	0.57
101	12-24	1	6.3	25.4	68.3	.458	.489	.406	.366	.321	.299	1.79	0.60
101	12-24	2	7.2	15.0	77.8	.608	.514	.	.	.	.	1.83	0.52
101	12-24	3	7.3	26.9	65.8	.583	.207	.	.	.	.	1.82	0.81
101	24-36	1	16.9	25.5	57.6	.573	.507	.448	.406	.366	.332	1.70	0.48
101	24-36	2	10.2	30.8	59.0	.482	.539	.	.	.	.	1.60	0.19
101	24-36	3	6.0	29.6	64.4	.573	.448	.	.	.	.	1.76	0.66
010	00-03	1	14.9	49.0	36.1	.158	.225	.210	.186	.162	.152	1.57	1.32
010	00-03	2	10.9	56.8	32.3	.261	.226	.	.	.	.	.	1.47
010	00-03	3	13.7	50.2	36.1	.276	.	.	.	.	.	1.68	2.02
010	03-06	1	14.2	41.6	44.2	.262	.253	.244	.215	.189	.179	1.70	1.33
010	03-06	2	12.2	47.8	40.0	.256	.251	.	.	.	.	1.71	1.03
010	03-06	3	7.3	44.4	48.3	.281	.243	.	.	.	.	1.81	1.25
010	06-12	1	15.7	37.6	46.7	.282	.271	.268	.342	.220	.201	1.76	1.03
010	06-12	2	9.3	45.4	45.3	.	.	.	.	.	.	1.70	1.03
010	06-12	3	14.4	38.2	47.4	.298	.245	.	.	.	.	1.78	0.99
010	12-24	1	16.7	56.0	27.3	.292	.284	.274	.246	.225	.216	1.82	0.74
010	12-24	2	17.1	31.6	51.3	.300	.290	.	.	.	.	1.68	0.49
010	12-24	3	17.6	28.8	53.6	.	.	.	.	.	.	.	0.86
008	00-03	1	16.3	56.7	27.0	.250	.238	.280	.161	.145	.121	1.58	2.40
008	00-03	2	15.7	58.8	25.5	.375	.298	.	.	.	.	1.49	2.94
008	00-03	3	25.4	51.4	23.2	.274	.240	.	.	.	.	1.19	2.29
008	03-06	1	11.2	56.6	32.2	.249	.239	.206	.174	.142	.124	1.56	1.40
008	03-06	2	13.0	35.8	51.2	.241	.279	.	.	.	.	1.47	2.44
008	03-06	3	8.9	61.6	29.5	.244	.220	.	.	.	.	1.52	1.49
008	06-12	1	11.6	52.5	35.9	.241	.240	.211	.185	.158	.143	.	.
008	06-12	2	7.9	49.3	42.8	.235	.222	.	.	.	.	1.55	0.92
008	06-12	3	8.2	56.1	35.7	.218	.236	.	.	.	.	1.69	0.82
008	12-24	1	15.3	43.9	39.8	.254	.216	.215	.187	.176	.164	1.51	0.54
008	12-24	2	23.2	43.5	33.3	.253	.211	.	.	.	.	1.67	0.49
008	12-24	3	20.6	37.1	42.3	.261	.225	.	.	.	.	1.71	0.85
008	24-24		5.3	26.7	68.0	.535	.492	.	.	.	.	1.81	0.51
042	00-03	1	29.2	37.3	33.5	.278	.364	.249	.216	.172	.141	1.18	2.70
042	00-03	2	23.6	47.9	28.5	.350	.329	.	.	.	.	1.13	2.93
042	00-03	3	31.9	43.7	24.4	.323	.264	.	.	.	.	1.07	2.76
042	03-06	1	35.2	34.3	30.5	.315	.	.	.242	.208	.164	1.80	1.42
042	03-06	2	26.2	41.4	32.4	.295	.279	.	.	.	.	1.24	1.25
042	03-06	3	18.7	51.6	29.7	.304	.	.	.	.	.	1.24	1.21
042	06-12	1	26.1	42.8	31.1	.	.275	.242	.204	.169	.155	.	0.88
042	06-12	2	25.2	42.6	32.2	.281	.265	.	.	.	.	1.29	0.93
042	06-12	3	25.2	40.0	34.8	.280	.239	.	.	.	.	1.40	0.86
090	00-03	1	15.4	54.7	29.9	.225	.231	.	.	.	.	1.56	1.66
090	00-03	2	17.9	51.3	30.8	.296	.	.	.	.	.	1.30	1.72
090	00-03	3	13.8	54.9	31.3	.274	.228	.	.	.	.	1.54	1.94
090	03-06	1	22.2	46.7	31.1	.509	.218	.	.	.	.	1.58	1.46
090	03-06	2	15.0	46.4	38.6	.288	.267	.	.	.	.	1.58	1.49
090	03-06	3	21.6	44.4	34.0	.206	.237	.	.	.	.	1.72	1.40
090	06-12	1	13.6	44.5	41.9	.	.	.	.	.	.	.	1.07
090	06-12	2	12.0	42.7	45.3	.283	.294	.	.	.	.	1.77	0.82

090	06-12	3	55.6	9.2	35.2	.453	.276	.	.	.	.	1.66	0.91
090	12-24	1	9.8	25.8	64.4	.586	.227	.457	.462	.417	.323	1.80	0.64
090	12-24	2	3.3	21.5	75.2	.661	.497	.	.	.	.	1.76	0.93
101	12-24	1	6.3	25.4	68.3	.458	.489	.406	.166	.321	.299	1.79	0.60
090	12-24	3	7.6	44.2	48.2	.540	.537	.	.	.	.	1.53	0.58
052	00-03	1	18.6	47.8	33.6	.296	.201	.176	.163	.151	.170	1.37	1.49
052	00-03	2	20.7	39.6	39.7	.269	.211	.	.	.	.	1.45	1.20
052	00-03	3	9.0	49.4	41.6	.234	.230	.	.	.	.	1.51	1.68
052	03-06	1	15.5	48.7	35.8	.248	.227	.	.	.	.	1.53	1.02
052	03-06	2	21.7	42.4	35.9	.270	.220	.	.	.	.	1.55	0.92
052	03-06	3	17.1	49.2	33.7	.257	.214	.	.	.	.	1.68	1.12
052	06-12	1	20.2	41.9	37.9	.242	.248	.	.	.	.	1.67	0.97
052	06-12	2	15.2	45.0	39.8	.279	.252	.	.	.	.	1.76	0.71
052	06-12	3	17.9	44.3	37.8	.274	.239	.	.	.	.	1.71	1.02
052	12-24	1	8.7	33.9	57.4	.354	.276	.308	.278	.242	.213	1.80	0.71
052	12-24	2	3.9	32.9	63.2	.425	.422	.	.	.	.	1.80	0.69
052	12-24	3	9.4	33.0	57.6	.348	.296	.	.	.	.	1.84	0.53
016	00-03	1	21.1	54.3	24.6	.249	.206	.	.	.	.	1.55	1.90
016	00-03	2	22.7	52.4	24.9	.279	.246	.	.	.	.	1.49	4.98
016	00-03	3	12.5	56.6	30.9	.278	.281	.	.	.	.	.	2.92
016	03-06	1	26.4	42.6	31.0	.238	.217	.	.	.	.	1.60	1.24
016	03-06	2	16.1	53.4	30.5	.248	.219	.	.	.	.	1.93	0.90
016	03-06	3	10.9	57.3	31.8	.230	.238	.	.	.	.	1.62	0.99
016	06-12	1	15.8	49.2	35.0	.226	.211	.	.	.	.	1.76	0.93
016	06-12	2	13.3	47.9	38.8	.233	.213	.	.	.	.	1.73	1.06
016	06-12	3	11.9	49.2	38.9	.232	.251	.	.	.	.	1.64	1.10
016	12-24	1	25.0	10.7	64.3	.487	.424	.374	.356	.319	.285	1.75	0.91
016	12-24	2	5.8	33.2	61.0	.442	.406	.	.	.	.	1.80	0.96
016	12-24	3	11.5	24.1	64.4	.373	.402	.	.	.	.	1.80	1.09
091	00-03	1	11.6	53.8	34.6	.267	.223	.206	.195	.173	.151	1.61	1.18
091	00-03	2	11.0	46.4	42.6	.278	.234	.	.	.	.	1.53	1.12
091	00-03	3	15.4	46.1	38.5	.318	.230	.	.	.	.	1.52	1.04
091	03-06	1	4.6	42.4	53.0	.302	.317	.	.	.	.	.	1.16
091	03-06	2	6.2	42.3	51.5	.346	.288	.	.	.	.	.	1.03
091	03-06	3	.	.	.	.391	.322	.	.	.	.	1.80	0.93
091	06-12		14.1	28.6	57.3	.363	.320	.	.	.	.	1.81	0.89
124	00-03	1	15.4	60.4	24.2	.	.264	.	.	.	.	1.21	5.30
124	00-03	2	21.0	25.9	53.1	.356	.462	.	.	.	.	1.17	5.96
124	00-03	3	18.4	59.9	21.7	.293	.231	.	.	.	.	1.36	3.04
124	03-06	1	17.7	57.9	24.4	.277	.258	.209	.171	.158	.127	1.33	1.48
124	03-06	2	13.9	59.1	27.0	.248	.201	.	.	.	.	1.47	1.34
124	03-06	3	16.0	59.8	24.2	.231	.260	.	.	.	.	1.41	1.27
124	06-12	1	2.7	24.3	73.0	.562	.485	.	.	.	.	1.67	0.89
124	06-12	2	10.0	23.8	66.2	.401	.435	.	.	.	.	1.71	0.80
124	06-12	3	23.0	21.2	55.8	.532	.457	.	.	.	.	1.78	0.81
124	12-24	1	13.1	20.1	66.8	.571	.545	.504	.457	.384	.344	1.55	0.44
124	12-24	2	10.4	17.6	72.0	.594	.475	.	.	.	.	1.48	0.60
124	12-24	3	.	.	.	.	.	.	.	.	.	.	.
121	00-03	1	6.7	63.5	29.8	.319	.261	.211	.178	.165	.129	1.21	3.06
121	00-03	2	4.0	62.3	33.7	.266	.249	.	.	.	.	1.42	2.88
121	00-03	3	11.5	62.9	25.6	.321	.286	.	.	.	.	1.33	.
121	03-06	1	4.1	59.6	36.3	.237	.238	.195	.178	.155	.124	1.48	2.12
121	03-06	2	17.2	56.1	26.7	.323	.226	.	.	.	.	1.86	1.44
121	03-06	3	9.9	61.8	28.3	.263	.279	.	.	.	.	1.43	2.68
121	06-12	1	4.5	59.4	36.1	.215	.221	.192	.117	.113	.124	.	1.23
121	06-12	2	8.5	58.0	33.5	.	.210	.	.	.	.	1.47	1.13
121	06-12	3	14.5	37.0	48.5	.248	.209	.	.	.	.	1.43	1.35
121	12-24	1	2.7	29.3	68.0	.518	.501	.433	.382	.335	.291	1.76	0.65
121	12-24	2	3.4	28.2	68.4	.479	.443	.	.	.	.	1.56	0.63
121	12-24	3	4.7	39.2	56.1	.694	.477	.	.	.	.	1.75	0.60

120	00-03	1	17.8	57.4	24.8	.350	.318	.224	.185	.194	.147	1.28	3.86
120	00-03	2	41.4	31.3	27.3	.288	.295	.	.	.	.	1.32	2.90
120	00-03	3	21.9	52.1	26.0	.278	.261	.	.	.	.	1.41	2.75
120	03-06	1	46.4	22.2	31.4	.297	.267	.239	.215	.191	.166	1.49	2.25
120	03-06	2	18.5	50.0	31.5	.292	.275	.	.	.	.	1.44	2.63
120	03-06	3	.	.	.	.281	.252	.	.	.	.	1.51	2.16
120	06-12	1	14.1	44.9	41.0	.396	.394	.	.	.	.	1.58	1.18
120	06-12	2	17.2	44.7	38.1	.505	.430	.	.	.	.	1.49	0.69
120	06-12	3	26.5	34.0	39.5	.474	.347	.	.	.	.	1.73	1.05
120	12-12		23.7	41.5	34.8	.552	.604	.	.	.	.	1.37	1.27
096	00-03	1	21.6	57.8	20.6	.274	.195	.160	.132	.110	.097	1.49	2.21
096	00-03	2	14.5	62.2	23.3	.286	.303	.	.	.	.	1.44	1.92
096	00-03	3	19.9	55.6	24.5	.306	.188	.	.	.	.	1.46	1.78
096	03-06	1	16.2	56.7	27.1	.260	.221	.200	.120	.155	.131	1.40	1.38
096	03-06	2	14.7	54.3	31.0	.262	.227	.	.	.	.	1.22	1.43
096	03-06	3	11.6	57.2	31.2	.267	.232	.	.	.	.	1.51	1.22
097	00-03	1	14.9	56.3	28.8	.	.	.	.	.	.	.	5.72
097	00-03	2	39.8	43.2	17.0	.	.	.	.	.	.	.	5.65
097	00-03	3	49.3	26.0	24.7	.311	.267	.	.	.	.	1.31	4.60
097	03-06	1	25.7	46.9	27.4	.307	.284	.	.	.	.	1.32	4.09
097	03-06	2	.	.	.	.304	.252	.	.	.	.	.	3.23
097	03-06	3	16.2	47.7	36.1	.294	.	.	.	.	.	1.44	.
097	06-12	1	14.1	58.6	27.3	.304	.215	.	.	.	.	1.50	2.09
097	06-12	2	15.6	52.8	31.6	.244	.229	.	.	.	.	1.53	.
097	06-12	3	21.5	47.1	31.4	.243	.	.	.	.	.	.	1.46
097	12-24	1	40.9	10.8	48.3	.438	.488	.360	.312	.282	.248	1.74	1.39
097	12-24	2	24.2	10.8	65.0	.461	.420	.	.	.	.	1.67	0.90
097	12-24	3	8.8	24.5	66.7	.533	.480	.	.	.	.	1.77	0.92
033	00-03	1	36.4	41.5	22.1	.247	.232	.192	.163	.154	.139	1.54	2.67
033	00-03	2	26.2	54.4	19.4	.233	.204	.	.	.	.	1.55	2.98
033	00-03	3	21.4	55.0	23.6	.259	.279	.	.	.	.	1.45	2.93
033	03-06	1	18.1	50.7	31.2	.347	.227	.201	.191	.171	.147	1.58	1.44
033	03-06	2	19.2	52.1	28.7	.266	.187	.	.	.	.	1.45	1.50
033	03-06	3	27.5	42.7	29.8	.268	.234	.	.	.	.	1.52	1.39
033	06-12	1	20.7	44.2	35.1	.266	.191	.210	.195	.215	.169	1.42	1.30
033	06-12	2	19.3	41.0	39.7	.318	.257	.	.	.	.	1.59	1.09
033	06-12	3	18.2	35.6	46.2	.524	.333	.	.	.	.	1.56	0.78
032	00-03	1	20.6	54.7	24.7	.279	.197	.	.	.	.	1.48	2.41
032	00-03	2	15.2	57.4	27.4	.292	.236	.	.	.	.	1.45	2.51
032	00-03	3	25.0	53.0	22.0	.342	.247	.	.	.	.	1.54	2.66
032	03-06	1	12.2	58.1	29.7	.280	.235	.	.	.	.	1.44	1.82
032			.	.	.	.	.	.	.	.	.	1.29	2.36
032	03-06	3	15.8	54.4	29.8	.250	.233	.	.	.	.	1.50	2.41
032	06-12	1	12.0	59.5	28.5	.239	.215	.	.	.	.	1.49	1.14
032	06-12	2	15.3	49.5	35.2	.246	.216	.	.	.	.	1.69	0.96
032	06-12	3	19.7	47.9	32.4	.234	.227	.	.	.	.	1.55	1.27
030	00-03	1	25.0	42.1	32.9	.343	.293	.250	.228	.222	.208	1.45	3.97
030	00-03	2	30.4	43.3	26.3	.309	.289	.	.	.	.	.	3.00
030	00-03	3	27.1	38.4	34.5	.304	.275	.	.	.	.	1.22	4.21
030	03-06	1	25.2	43.3	31.5	.255	.229	.220	.203	.195	.177	1.51	2.81
030	03-06	2	21.1	45.8	33.1	.252	.226	.	.	.	.	1.56	1.04
030	03-06	3	27.3	42.8	29.9	.221	.215	.	.	.	.	1.63	1.05
030	06-12	1	18.9	47.1	34.6	.281	.224	.216	.197	.185	.191	.	0.94
030	06-12	2	46.4	14.4	39.2	.273	.284	.	.	.	.	1.64	0.78
030	06-12	3	17.1	42.1	40.8	.247	.290	.	.	.	.	1.66	0.79
030	12-24	1	12.6	34.4	53.0	.430	.414	.326	.292	.278	.251	1.73	0.43
030	12-24	2	11.6	30.8	56.6	.393	.449	.	.	.	.	1.81	0.47
030	12-24	3	16.8	28.2	55.0	.550	.460	.	.	.	.	1.71	0.46
030	24-36	1	2.6	18.9	78.5	.	.	.	.	.	.	1.66	.
030	24-36	2	11.8	21.7	66.5	.	.	.	.	.	.	.	0.85

030	24-36		11.5	21.5	67.0	.440	.445	.	.	.	.		1.77	0.57
030	24-36	3	40.4	14.9	44.7	.267	.511	.	.	.	.		1.54	0.84
029	00-03	1	12.3	61.1	26.6	.287	.239	.164	.142	.137	.120		1.55	2.59
029	00-03	2	21.4	58.0	20.6	.267	.245	.	.	.	.		1.33	2.23
029	00-03	3	51.0	24.5	24.5	.263	.212	.	.	.	.		1.45	2.42
029	03-06	1	15.0	53.6	31.4	.248	.	.191	.170	.157	.144		1.56	1.52
029	03-06	2	26.2	46.6	27.2	.246	.222	.	.	.	.		1.53	1.99
029	03-06	3	21.2	51.7	27.1	.268	.213	.	.	.	.		1.36	1.94
029	06-12	1	8.0	37.3	54.7	.383	.344	.308	.282	.265	.247		1.74	0.89
029	06-12	2	10.7	43.3	46.0	.327	.334	.	.	.	.		1.69	1.10
029	06-12	3	14.1	34.4	51.5	.262	.269	.	.	.	.		1.73	1.02
029	12-24	1	2.1	23.1	74.8	.515	.498	.481	.438	.395	.367		1.82	0.76
029	12-24	2	16.6	8.2	75.2	.568	.468	.	.	.	.		1.82	1.00
029	12-24	3	.	.	.	.510	.464	.	.	.	.		1.84	0.87
068	00-03	1	17.1	58.3	24.6	.304	.305	.	.	.	.		1.24	2.70
068	00-03	2	15.1	60.1	24.8	.289	.224	.	.	.	.		1.29	2.56
068	00-03	3	17.0	58.4	24.6	.287	.250	.	.	.	.		1.50	2.98
068	03-06	1	15.6	50.6	33.8	.281	.252	.221	.189	.181	.163		1.58	2.48
068	03-06	2	13.7	50.7	35.6	.259	.248	.	.	.	.		1.64	2.32
068	03-06	3	13.0	54.5	32.5	.272	.241	.	.	.	.		1.57	2.42
068	06-12	1	5.9	33.6	60.5	.404	.385	.	.	.	.		1.81	1.24
068	06-12	2	17.0	36.9	46.1	.262	.362	.	.	.	.		1.70	1.55
068	06-12	3	8.4	43.8	47.8	.270	.359	.	.	.	.		1.71	1.28
068	12-24	1	2.8	20.5	76.7	.502	.471	.453	.412	.386	.353		1.78	0.89
068	12-24	2	10.0	24.2	65.8	.454	.439	.	.	.	.		1.81	0.84
068	12-24	3	2.4	27.1	70.5	.550	.501	.	.	.	.		1.84	0.65
070	00-03	1	27.0	44.3	28.7	.281	.261	.235	.223	.195	.195		1.35	2.47
070	00-03	2	16.1	51.1	32.8	.304	.254	.	.	.	.		1.34	2.34
070	00-03	3	16.4	48.3	35.3	.280	.263	.	.	.	.		1.34	2.57
070	03-06	1	10.6	41.4	48.0	.321	.321	.	.	.	.		1.74	1.52
070	03-06	2	10.0	37.6	52.4	.390	.388	.	.	.	.		1.72	1.50
070	03-06	3	16.9	34.3	48.8	.475	.365	.	.	.	.		1.77	1.57
070	06-12	1	9.7	22.9	67.4	.479	.472	.	.	.	.		1.79	0.97
070	06-12	2	8.2	47.9	43.9	.456	.427	.	.	.	.		1.79	0.88
070	06-12	3	6.5	21.7	71.8	.455	.461	.	.	.	.		1.81	0.77
070	12-24	1	18.5	26.7	54.8	.467	.301	.	.	.	.		1.78	1.15
070	12-24	2	6.0	22.1	71.9	.564	.506	.	.	.	.		1.78	1.07
070	12-24	3	22.0	15.0	63.0	.545	.518	.	.	.	.		1.84	0.92

MODEL,T25,CM55000,BN2400223M.

AN ANALYSIS OF SOIL PHYSICAL PROPERTIES OF BEAVER CREEK WATERSHED 11

SP	DEPTH	TEXTURE S	SL	C	SUCTION .33	.66	3	BARS 5	10	15	BD	OM
043	00-03 1	16.4	37.8	45.8	.394	.324	.279	.266	.298	.291	1.70	2.35
043	00-03 2	12.1	39.2	48.7	.353	.320	.287	.286	.291	.300	1.76	1.49
043	00-03 3	09.7	55.9	34.4	.365	.313	.259	.255	.235	.	1.71	2.32
043	03-06 1	10.4	39.4	50.2	.355	.212	.291	.328	.239	.251	1.70	1.16
043	03-06 2	01.0	35.6	53.4	.356	.234	.299	.283	.312	.	1.69	0.92
043	03-06 3	08.7	31.4	60.0	.343	.346	.295	.320	.262	.	1.84	0.65
043	06-12 1	13.9	29.2	56.9	.345	.332	.352	.326	.352	.372	1.80	0.60
043	06-12 2	03.7	35.8	60.5	.351	.330	.316	.326	.263	.310	1.86	0.68
043	06-12 3	04.4	38.2	57.4	.345	.331	.292	.300	.317	.301	1.85	0.64
043	12-24 1	12.4	32.8	54.7	.	.350	.295	.319	.297	.227	1.85	0.50
043	12-24 2	03.3	30.4	66.3	.383	.397	.338	.346	.297	.361	1.87	0.23
043	12-24 3	06.6	33.8	59.6	.380	.367	.381	.354	.282	.	1.85	0.54
043	24-36 1	12.4	28.2	59.3	.414	.394	.376	.404	.314	.308	1.82	.
043	24-36 2	04.5	36.5	59.0	.359	.406	.395	.438	.366	.341	1.73	0.86
043	24-36 3	.	.	.	.452	.385	.329	.396	.340	.	1.79	.
043		14.5	24.6	60.9	.551	.493	.451	.457	.385	.381	1.69	0.47
045	00-03 1	14.3	51.4	38.3	.248	.258	.213	.205	.176	.159	1.50	1.81
045	00-03 2	12.2	57.2	30.6	.222	.284	.213	.203	.173	.174	1.72	2.29
045	00-03 3	09.0	44.2	46.8	.320	.	.247	.231	.200	.	1.47	0.96
045	03-06 1	12.0	50.7	37.3	.246	.283	.224	.229	.186	.179	1.70	1.20
045	03-06 2	09.7	53.1	37.2	.	.260	.216	.197	.170	.	1.55	1.15
045	03-06 3	09.9	53.0	37.1	.254	.232	.194	.212	.170	.	1.62	1.39
045	06-12 1	06.7	43.2	50.1	.387	.	.	.340	.366	.270	1.87	0.60
045	06-12 2	04.9	46.1	49.0	.416	.460	.367	.354	.374	.295	1.88	0.59
045	06-12 3	18.1	37.4	45.4	.255	.265	.241	.265	.220	.207	1.75	0.68
045	12-24 1	06.0	26.7	67.4	.	.383	.368	.337	.333	.	1.93	0.51
045	12-24 2	05.7	26.4	68.0	.403	.371	.371	.368	.320	.388	1.87	0.50
045	12-24 3	11.8	18.2	70.0	.379	.371	.386	.365	.386	.410	1.90	0.47
045	24-36 1	09.5	23.6	66.9	.	.408	.386	.352	.385	.	1.90	0.39
045	24-36 2	16.0	22.4	61.6	.357	.394	.376	.430	.350	.328	1.92	0.32
045	24-36 3	05.1	25.1	69.8	.422	.382	.363	.395	.342	.	1.83	0.30
045	36+	06.4	27.9	65.6	.387	.374	.372	.407	.366	.287	1.82	0.20
134	00-03 1	8.6	51.7	39.7	.283	.245	.223	.248	.252	.184	1.65	1.63
134	00-03 2	14.7	53.8	31.5	.286	.278	.234	.233	.188	.190	1.62	1.72
134	00-03 3	13.4	52.5	34.1	.280	.293	.205	.198	.245	.	1.60	2.09
134	03-06 1	11.6	52.8	35.6	.272	.240	.210	.203	.219	.194	1.72	0.96
134	03-06 2	08.5	51.7	39.8	.277	.232	.201	.211	.167	.	1.68	0.94
134	03-06 3	14.8	41.3	43.9	.206	.254	.228	.227	.210	.247	2.06	0.87

134	06-12	1	05.8	36.2	56.0	.312	.280	.298	.272	.291	.224	1.85	0.64
134	06-12	2	06.9	32.8	60.2	.365	.305	.296	.291	.306	.	1.80	0.58
134	06-12	3	09.2	35.1	56.7	.373	.296	.298	.335	.270	.258	1.83	0.60
134	12-24	1	05.1	34.4	60.5	.391	.311	.296	.278	.245	.314	1.92	0.24
134	12-24	2	04.2	30.5	65.2	.378	.330	.333	.353	.305	.292	1.88	0.54
134	12-24	3	05.0	34.8	60.2	.415	.358	.346	.355	.350	.271	1.90	0.44
134	24+		05.3	31.6	63.2	.440	.	.318	.340	.283	.	1.88	0.68
131	00-03	1	14.8	39.7	45.6	.327	.256	.243	.248	.256	.227	1.58	0.96
131	00-03	2	13.5	50.6	35.9	.243	.259	.211	.219	.239	.216	1.49	2.00
131	00-03	3	09.6	49.2	41.2	.324	.301	.221	.233	.193	.	1.63	1.94
131	03-06	1	07.5	38.1	54.4	.312	.298	.286	.285	.285	.215	1.64	0.72
131	03-06	2	07.4	35.4	57.2	.422	.323	.314	.330	.269	.265	1.73	0.70
131	03-06	3	07.0	34.2	58.8	.332	.280	.266	.261	.	.	1.81	0.70
131	06-12	1	03.2	34.6	62.2	.375	.328	.319	.281	.310	.	1.63	0.60
131	06-12	2	03.8	50.9	45.3	.374	.319	.300	.325	.257	.	1.88	0.48
131	06-12	3	09.9	36.9	53.2	.324	.319	.292	.289	.238	.	1.90	0.46
131	12-24	1	04.5	48.4	47.1	.334	.	.336	.296	.342	.341	1.90	0.24
131	12-24	2	05.2	32.1	62.8	.347	.525	.344	.366	.350	.257	1.94	0.38
131	12-24	3	11.3	29.1	59.6	.365	.347	.349	.315	.352	.375	1.84	0.46
131	24-36	1	08.6	33.2	58.2	.243	.384	.364	.348	.383	.300	1.91	0.37
131	24-36	2	02.7	30.6	66.7	.	.381	.344	.399	.324	.322	1.93	0.28
131	24-36	3	13.2	29.0	57.9	.366	.382	.345	.321	.336	.371	1.91	0.69
131	36+		07.5	25.2	67.3	.253	.389	.376	.361	.380	.289	1.84	0.77
076	00-03	1	10.9	61.7	27.6	.237	.252	.188	.163	.192	.200	1.56	1.46
076	00-03	2	09.0	54.1	36.9	.252	.236	.175	.186	.190	.184	1.58	1.20
076	00-03	3	12.4	53.6	34.0	.233	.208	.192	.192	.177	.118	1.48	1.27
076	03-06	1	13.0	54.1	33.0	.260	.241	.199	.211	.205	.150	1.49	1.12
076	03-06	2	12.2	50.6	37.3	.290	.153	.234	.203	.173	.	1.66	1.04
076	03-06	3	15.5	34.3	50.2	.244	.232	.197	.210	.156	.172	1.61	0.77
076	06-12	1	09.2	46.7	44.1	.266	.281	.229	.230	.239	.174	1.77	0.61
076	06-12	2	09.3	34.7	56.0	.280	.259	.226	.232	.228	.236	1.78	0.83
076	06-12	3	05.0	46.8	18.2	.318	.258	.220	.224	.201	.	1.69	0.38
076	12-24	1	11.1	44.4	44.5	.264	.254	.239	.258	.211	.191	1.81	0.57
076	12-24	2	12.8	40.9	46.3	.	.296	.290	.264	.293	.	1.85	0.36
076	12-24	3	06.2	32.2	61.8	.263	.270	.242	.245	.259	.212	1.92	0.37
076	24+		22.2	35.5	42.3	.	.298	.290	.	.296	.	1.86	.
081	00-03	1	07.9	56.6	35.5	.261	.217	.191	.184	.149	.152	1.49	1.47
081	00-03	2	10.9	53.7	35.4	.279	.236	.187	.182	.190	.	1.50	1.44
081	00-03	3	13.4	51.2	35.4	.292	.242	.188	.176	.167	.	1.43	1.15
081	03-06	1	20.4	44.4	35.2	.254	.272	.216	.226	.216	.170	1.64	0.88
081	03-06	2	11.8	52.1	36.1	.274	.245	.223	.205	.180	.	1.62	0.94
081	03-06	3	11.9	53.4	34.7	.	.226	.213	.237	.195	.	1.67	1.54
081	06-12	1	06.4	30.3	63.3	.335	.346	.336	.375	.305	.404	1.89	0.59
081	06-12	2	07.0	34.2	58.8	.	.346	.287	.304	.271	.	1.78	0.68
081	06-12	3	12.7	49.7	37.6	.308	.303	.323	.258	.327	.334	1.77	0.48
081	12-24	1	05.7	27.7	66.6	.379	.366	.347	.374	.310	.	1.90	0.34
081	12-24	2	07.4	30.4	62.2	.407	.387	.351	.325	.351	.	1.90	0.24
081	12-24	3	07.0	29.2	63.8	.380	.396	.354	.475	.363	.380	1.88	0.48
081	24+		45.9	21.4	32.8	.	.412	.366	.350	.365	.	1.56	0.41
085	00-03	1	18.4	55.7	25.9	.236	.250	.150	.190	.150	.106	1.42	1.50
085	00-03	2	16.3	54.9	28.8	.280	.240	.164	.162	.168	.	1.35	1.36
085	00-03	3	12.5	61.4	26.1	.259	.234	.150	.155	.124	.119	1.41	1.40
085	03-06	1	08.4	57.6	34.0	.254	.223	.185	.192	.202	.139	1.59	1.20
085	03-06	2	11.0	53.6	35.4	.387	.216	.217	.196	.207	.177	1.64	1.06
085	03-06	3	07.3	54.3	38.4	.271	.224	.206	.213	.202	.	1.68	0.99
085	06-12	1	06.6	48.0	45.3	.305	.279	.234	.225	.226	.256	1.65	0.96
085	06-12	2	09.9	53.0	37.1	.253	.229	.217	.242	.212	.229	1.73	0.88
085	06-12	3	10.4	42.8	46.8	.424	.232	.240	.248	.209	.203	1.63	0.69
085	12-24	1	01.4	25.4	73.3	.391	.412	.379	.372	.407	.297	1.90	0.56
085	12-24	2	04.5	26.7	68.8	.370	.362	.365	.414	.328	.377	1.84	0.20

085	12-24	3	12.0	25.3	62.7	.382	.396	.354	.393	.370	.265	1.90	0.57
085	24+		35.2	25.4	39.4	.554	.457	.390	.402	.409	.439	1.71	1.00
086	00-03	1	16.0	47.4	36.6	.391	.294	.288	.298	.267	.	1.30	.
086	00-03	2	11.6	52.3	36.2	.	.343	.264	.296	.276	.210	1.30	3.07
086	00-03	3	17.1	48.1	34.8	.	.253	.242	.264	.239	.	1.30	.
086	03-06	1	07.0	43.2	49.9	.307	.338	.280	.283	.284	.230	1.70	1.47
086	03-06	2	11.6	45.6	42.9	.326	.299	.292	.267	.216	.216	1.44	.
086	03-06	3	17.4	45.3	37.3	.324	.289	.249	.236	.240	.182	1.44	1.72
086	06-12	1	08.6	27.7	63.7	.391	.352	.273	.344	.306	.370	1.83	0.88
086	06-12	2	05.5	35.6	58.9	.360	.356	.317	.332	.256	.258	1.89	1.01
086	06-12	3	03.4	33.1	63.5	.293	.273	.334	.333	.333	.	1.82	0.81
086	12-24	1	10.7	28.0	61.3	.444	.396	.351	.351	.337	.	1.87	0.39
086	12-24	2	06.6	30.2	63.2	.369	.351	.330	.328	.315	.338	1.90	0.73
086	12-24	3	02.9	30.5	66.6	.432	.371	.365	.354	.289	.294	1.78	0.54
86	24+		19.1	23.7	57.2	.455	.459	.360	.363	.387	.371	1.84	0.48
090	00-03	1	13.4	57.8	28.9	.290	.247	.182	.176	.184	.	1.40	1.83
090	00-03	2	15.0	56.2	28.8	.416	.260	.177	.127	.179	.182	1.69	1.77
090	00-03	3	03.7	63.8	32.5	.	.245	.178	.198	.154	.	1.49	1.81
090	03-06	1	10.0	54.3	35.7	.242	.286	.213	.204	.236	.235	1.65	1.16
090	03-06	2	09.3	53.3	37.3	.276	.262	.225	.200	.227	.238	1.58	1.14
090	03-06	3	06.6	50.7	42.7	.276	.266	.213	.	.175	.	1.70	1.11
090	06-12	1	09.1	48.1	42.8	.	.251	.226	.242	.213	.	1.68	1.03
090	06-12	2	06.4	49.5	44.1	.280	.288	.237	.233	.195	.178	1.71	0.94
090	06-12	3	13.3	41.3	45.3	.275	.233	.231	.219	.182	.	1.72	0.73
090	12-24	1	05.4	31.5	63.1	.429	.383	.323	.360	.316	.321	1.89	0.45
090	12-24	2	01.4	25.4	73.3	.	.401	.378	.400	.	.	1.88	0.45
090	12-24	3	.	.	.	.452	.429	.352	.337	.363	.	1.82	0.55
090	24+		18.0	24.0	58.0	.	.556	.386	.347	.398	.	1.75	0.48
041	00-03	1	18.7	52.5	28.8	.	.231	.189	.175	.137	.	1.32	1.51
041	00-03	2	17.8	56.1	26.1	.247	.234	.171	.132	.212	.196	1.61	1.84
041	00-03	3	12.7	56.4	31.0	.251	.218	.170	.164	.142	.	1.69	1.36
041	03-06	1	11.3	50.3	38.4	.273	.224	.185	.173	.202	.	1.44	0.34
041	03-06	2	11.0	47.8	41.2	.267	.271	.215	.233	.208	.163	1.72	0.84
041	03-06	3	10.4	42.1	47.5	.305	.330	.263	.269	.277	.224	1.77	0.73
041	06-12	1	13.7	25.1	61.2	.	.418	.357	.333	.353	.	1.91	0.59
041	06-12	2	03.0	18.6	78.4	.405	.419	.408	.398	.435	.452	1.87	0.25
041	06-12	3	02.4	30.7	66.9	.403	.542	.335	.320	.341	.	1.88	0.50
041	12+		59.2	12.8	28.2	.	.216	.280	.265	.292	.228	1.59	0.58
125	00-03	1	19.8	54.4	25.9	.314	.200	.	.133	.164	.110	1.59	1.23
125	00-03	2	19.3	58.6	22.1	.	.192	.153	.164	.146	.	1.48	1.31
125	00-03	3	11.0	64.1	24.9	.226	.219	.157	.182	.128	.121	1.56	1.17
125	03-06	1	10.9	56.3	32.8	.262	.226	.168	.202	.170	.140	1.64	1.19
125	03-06	2	09.3	55.2	35.5	.256	.439	.197	.178	.144	.	1.54	0.80
125	03-06	3	12.0	53.9	34.2	.	.218	.187	.167	.165	.	1.66	1.15
125	06-12	1	10.6	52.6	36.8	.	.	.188	.205	.201	.153	1.63	0.56
125	06-12	2	07.7	55.4	36.9	.257	.230	.187	.175	.195	.196	1.65	0.83
125	06-12	3	.	.	.	.	.	.242	.201	.190	.	1.71	.
125	12-24	1	08.8	44.6	45.6	.305	.	.230	.211	.242	.	1.84	0.62
125	12-24	2	03.3	34.5	32.2	.515	.328	.311	.332	.287	.258	1.86	0.48
125	12-24	3	.	.	.	.	.	.	.	.	.	.	.
125	24+		02.0	24.5	73.5	.272	.481	.449	.405	.446	.	1.75	0.38
121	00-03	1	16.2	52.4	31.4	.	.219	.	.167	.191	.	1.48	1.88
121	00-03	2	13.4	63.3	22.3	.246	.240	.	.198	.201	.178	1.51	1.91
121	00-03	3	13.0	56.7	30.3	.244	.233	.	.226	.192	.145	1.78	0.66
121	03-06	1	14.3	50.1	35.6	.298	.253	.	.196	.166	.	1.61	1.36
121	03-06	2	25.0	42.7	32.3	.278	.	.	.188	.201	.186	1.67	1.04
121	03-06	3	09.9	51.7	38.4	.	.	.	.178	.200	.	1.55	1.28
121	06-12	1	13.5	22.3	64.2	.415	.396	.	.393	.362	.398	1.99	0.45
121	06-12	2	10.5	44.1	45.4	.372	.278	.	.263	.237	.267	1.72	1.20
121	06-12	3	09.1	48.1	42.8	.	.	.	.206	.228	.	1.85	1.12

121	12-24	1	03.8	25.5	70.7	.397	.400	.	.375	.418	.361	1.94	0.34
121	12-24	2	10.5	23.8	65.7	.248	.393	.	.390	.336	.306	1.94	0.18
121	12-24	3	11.2	23.6	65.2	.438	.353	.	.341	.379	.399	1.84	0.57
121	24+		32.7	26.6	40.6	.494	.223	.	.316	.339	.	1.78	0.16
117	00-03	1	14.0	50.3	35.7	.	.288	.252	.267	.262	.204	1.65	2.03
117	00-03	2	12.0	38.7	49.3	.358	.303	.242	.255	.221	.	1.38	1.06
117	00-03	3	07.6	35.3	57.1	.324	.319	.	.264	.243	.	1.75	1.01
117	03-06	1	05.1	32.6	62.4	.328	.319	.284	.279	.257	.	1.80	0.88
117	03-06	2	07.8	30.3	61.9	.375	.319	.306	.304	.298	.	1.87	0.51
117	03-06	3	08.4	32.8	58.8	.354	.320	.496	.346	.286	.306	1.71	0.65
117	06-12	1	04.1	34.2	61.6	.	.306	.304	.286	.294	.	1.90	0.68
117	06-12	2	05.0	28.9	66.1	.413	.334	.310	.328	.343	.313	1.86	0.53
117	06-12	3	05.0	33.0	61.9	.360	.358	.321	.343	.300	.261	1.88	0.75
117	12-24	1	07.8	30.3	61.9	.	.327	.359	.335	.279	.	1.92	0.57
117	12-24	2	06.0	29.0	65.0	.393	.238	.280	.407	.341	.316	1.82	0.45
117	12-24	3	06.5	31.6	61.88	.372	.311	.314	.297	.241	.342	1.77	0.55
117	24+		08.1	27.8	64.0	.407	.359	.334	.360	.303	.	1.83	0.36
029	00-03	1	14.2	57.2	28.6	.287	.214	.151	.156	.160	.166	1.96	1.76
029	00-03	2	.	.	.	.	.	.	.	.	.	.	.
029	00-03	3	17.8	54.8	27.4	.292	.230	.169	.167	.175	.	1.38	1.79
029	03-06	1	09.4	53.8	36.7	.267	.219	.172	.181	.191	.181	1.64	1.29
029	03-06	2	14.6	49.9	35.5	.290	.226	.176	.167	.167	.188	1.48	1.35
029	03-06	3	12.2	51.1	36.7	.256	.221	.186	.199	.192	.	1.54	1.24
029	06-12	1	09.0	51.4	39.6	.269	.222	.196	.200	.160	.	1.65	0.88
029	06-12	2	10.3	50.1	39.6	.272	.220	.195	.195	.219	.237	1.57	0.96
029	06-12	3	09.2	51.3	39.5	.275	.211	.189	.192	.166	.	1.33	1.03
029	12-24	1	02.0	30.4	67.6	.330	.374	.323	.374	.299	.344	1.63	0.40
029	12-24	2	06.4	37.6	57.0	.458	.423	.312	.300	.259	.	1.90	0.49
029	12-24	3	07.1	32.8	60.1	.335	.302	.308	.293	.276	.	1.88	0.43
029	24+		16.1	22.4	61.5	.501	.438	.361	.395	.311	.299	1.86	0.33
027	00-03	1	08.2	46.6	45.2	.281	.255	.204	.256	.217	.	1.60	1.16
027	00-03	2	04.9	44.2	50.9	.	.220	.237	.249	.218	.	1.69	1.28
027	00-03	3	08.7	49.0	42.3	.336	.	.209	.224	.217	.250	1.48	1.68
027	03-06	1	02.1	43.5	54.4	.333	.121	.257	.297	.264	.284	1.71	0.76
027	03-06	2	03.5	44.2	52.3	.305	.285	.252	.228	.220	.	1.72	1.14
027	03-06	3	07.5	34.0	58.5	.336	.309	.288	.	.264	.	1.75	0.81
027	06-12	1	09.5	31.5	58.9	.352	.319	.287	.286	.262	.	1.91	0.55
027	06-12	2	06.6	30.2	63.2	.369	.306	.326	.353	.348	.301	1.86	0.82
027	06-12	3	05.2	31.6	63.2	.322	.323	.336	.321	.312	. 1	1.85	0.62
027	12-24	1	05.7	34.2	60.1	.400	.337	.316	.360	.280	.321	1.83	0.57
027	12-24	2	.	.	.	.400	.391	.330	.312	.316	.	1.89	0.38
027	12-24	3	06.8	28.4	64.9	.355	.295	.325	.334	.324	.	1.88	0.50
027	24+		05.0	30.7	64.2	.265	.504	.369	.424	.331	.351	1.74	0.51
061	00-03	1	12.5	49.0	38.4	.294	.246	.208	.214	.236	.223	1.49	2.37
061	00-03	2	10.4	34.8	54.8	.301	.279	.214	.209	.195	.	1.42	1.60
061	00-03	3	09.2	45.4	45.4	.308	.279	.262	.256	.229	.	1.79	2.85
061	03-06	1	08.6	45.7	45.7	.321	.312	.250	.251	.222	.266	1.70	0.86
061	03-06	2	10.2	36.8	53.1	.337	.286	.301	.297	.248	.117	1.61	1.02
061	03-06	3	09.9	43.0	47.1	.295	.341	.283	.282	.274	.234	1.74	1.04
061	06-12	1	05.5	34.3	60.3	.352	.311	.221	.317	.262	.307	1.89	0.43
061	06-12	2	05.3	38.4	56.3	.344	.328	.282	.308	.257	.332	1.90	0.61
061	06-12	3	06.6	34.3	59.1	.349	.301	.322	.312	.268	.326	1.81	0.57
061	12-24	1	03.6	34.4	62.0	.404	.345	.	.319	.293	.334	1.90	0.47
061	12-24	2	06.3	35.8	57.8	.	.340	.309	.340	.302	.236	1.91	0.57
061	12-24	3	01.7	34.6	63.7	.363	.332	.333	.339	.266	.259	1.90	0.32
061	24-36	1	07.3	30.7	62.0	.403	.346	.326	.320	.336	.331	1.86	0.43
061	24-36	2	06.7	38.4	54.9	.365	.353	.293	.303	.249	.331	1.89	0.71
061	24-36	3	04.2	34.7	61.1	.391	.350	.344	.344	.207	.329	1.81	0.32
061	36+		10.6	33.5	55.9	.428	.366	.223	.355	.297	.340	1.91	0.24
067	00-03	1	07.6	38.0	54.3	.349	.309	.307	.286	.249	.243	1.62	0.72

067	00-03	2	11.0	36.4	52.6	.330	.367	.230	.240	.239	.255	1.59	1.05
067	00-03	3	11.8	51.3	36.8	.288	.251	.199	.211	.168	.	1.56	1.25
067	03-06	1	05.2	33.0	61.8	.388	.274	.306	.353	.300	.328	1.83	0.79
067	03-06	2	03.2	36.8	60.0	.319	.286	.275	.316	.271	.318	1.74	0.50
067	03-06	3	05.4	50.6	43.9	.292	.263	.226	.242	.239	.193	1.77	0.89
067	06-12	1	02.7	36.6	61.7	.340	.311	.301	.321	.270	.327	1.81	0.46
067	06-12	2	03.7	39.3	57.0	.310	.291	.255	.284	.240	.285	1.92	0.48
067	06-12	3	03.2	44.4	52.5	.292	.272	.254	.247	.253	.258	1.88	0.60
067	12-24	1	07.0	34.2	58.8	.370	.324	.291	.300	.300	.349	1.87	0.44
067	12-24	2	09.6	31.9	58.5	.370	.325	.304	.299	.315	.331	1.86	0.37
067	12-24	3	06.6	33.0	60.5	.	.	.320	.297	.329	.347	.	0.42
017	00-03	1	13.3	59.5	27.2	.256	.181	.134	.126	.	.	1.62	1.47
017	00-03	2	13.2	62.2	24.6	.265	.181	.159	.152	.171	.123	1.62	1.61
017	00-03	3	13.6	64.5	21.9	.250	.205	.125	.119	.112	.	1.60	1.40
017	03-06	1	06.8	56.5	36.8	.304	.	.177	.186	.158	.157	1.56	0.67
017	03-06	2	08.9	62.5	28.6	.207	.250	.163	.141	.122	.199	1.63	0.74
017	03-06	3	10.0	58.7	31.3	.191	.219	.169	.170	.129	.238	1.61	0.84
017	06-12	1	03.4	36.8	60.0	.348	.314	.295	.300	.253	.298	1.85	0.51
017	06-12	2	04.8	49.6	45.6	.325	.318	.237	.217	.192	.247	1.76	0.65
017	06-12	3	08.4	49.1	42.5	.281	.216	.224	.212	.	.173	1.86	0.57
017	12-24	1	03.3	33.2	63.5	.368	.350	.326	.311	.293	.314	1.84	0.66
017	12-24	2	01.8	31.8	66.4	.	.355	.329	.341	.297	.371	1.96	0.41
017	12-24	3	00.4	33.2	66.4	.372	.366	.340	.309	.273	.350	1.85	0.34
017	24+		16.2	32.0	52.8	.518	.452	.323	.374	.354	.	1.92	0.50
021	00-03	1	38.3	37.3	24.4	.246	.272	.146	.157	.147	.183	1.84	1.80
021	00-03	2	12.4	50.4	37.1	.239	.228	.189	.192	.176	.210	1.68	0.81
021	00-03	3	12.1	52.5	35.4	.295	.227	.186	.227	.219	.229	1.67	1.68
021	03-06	1	05.9	51.7	42.4	.	.245	.350	.217	.177	.223	1.62	0.72
021	03-06	2	13.6	45.2	41.2	.255	.246	.378	.222	.189	.238	1.75	0.73
021	03-06	3	11.6	47.5	40.9	.	.234	.208	.200	.213	.	1.64	1.12
021	06-12	1	09.9	47.7	42.4	.288	.250	.212	.250	.218	.232	1.82	0.73
021	06-12	2	11.5	41.6	46.9	.284	.239	.254	.232	.212	.265	1.80	0.76
021	06-12	3	10.7	41.3	48.0	.276	.261	.225	.217	.209	.	1.79	0.41
021	12-24	1	04.7	40.8	54.4	.390	.352	.274	.299	.252	.312	1.32	0.35
021	12-24	2	04.7	31.8	63.5	.379	.297	.328	.317	.294	.331	1.90	0.36
021	12-24	3	02.0	44.2	53.8	.375	.356	.330	.334	.290	.264	1.89	0.42
021	24+		08.2	23.7	68.2	.518	.416	.363	.347	.324	.	1.92	0.33
095	00-03	1	09.4	53.8	36.8	.277	.213	.184	.177	.185	.175	1.37	2.58
095	00-03	2	07.4	62.6	30.0	.239	.238	.178	.177	.143	.152	1.49	1.14
095	00-03	3	12.5	54.8	32.6	.254	.198	.177	.172	.173	.160	1.37	.
095	03-06	1	08.7	50.3	41.0	.267	.228	.212	.181	.211	.	1.64	0.90
095	03-06	2	10.9	56.3	32.7	.266	.202	.165	.176	.140	.	1.60	1.31
095	03-06	3	09.1	55.3	35.6	.274	.222	.199	.195	.157	.146	1.40	1.17
095	06-12	1	04.6	38.2	57.2	.277	.256	.294	.280	.243	.318	1.79	0.70
095	06-12	2	10.1	44.3	45.6	.298	.293	.	.234	.258	.	1.79	0.77
095	06-12	3	11.0	49.2	39.9	.279	.249	.204	.	.184	.	1.73	0.75
095	12-24	1	06.2	45.6	48.3	.281	.250	.301	.220	.191	.	1.86	0.77
095	12-24	2	04.1	35.6	60.3	.403	.245	.361	.311	.318	.303	1.88	0.61
095	12-24	3	07.3	24.9	67.8	.450	.403	.	.414	.316	.350	1.82	0.40
095	24+		34.0	31.6	34.4	.	.264	.281	.316	.279	.420	1.63	0.19

CHEMICAL PROPERTIES

CHEMICAL ANALYSIS OF BEAVER CREEK SOILS WATERSHED 3

SP	DEPTH	PH	SOLSALT ECE	PPM	NO3 PPM	PO4 PPM	EDTA
088	00-03	.	.		.	.	.
088	03-06	7.37	.45	315	00.4	1.60	.52
088	06-12	7.40	.41	287	01.0	2.30	.45
086	00-03	7.02	.15	105	05.0	0.58	.16
086	03-06	6.81	.17	119	01.0	0.72	.16
086	06-12	6.76	.18	126	00.5	3.33	.12
091	00-03	7.46	.27	189	00.7	0.35	.27
091	03-06	7.53	.30	210	02.0	0.94	.30
091	06-12	7.40	.42	294	01.0	1.12	.34

CHEMICAL ANALYSIS OF BEAVER CREEK SOILS WATERSHED 6

SP	DEPTH	PH	SOLSALT ECE	PPM	NO3 PPM	PO4 PPM	EDTA
041	00-03	6.42	.39	273	02.0	2.92	.44
041	03-06	5.96	.34	238	03.0	2.00	.36
041	06-12	6.50	.42	294	02.0	0.25	.30
082	00-03	6.89	.51	357	19.0	1.83	.54
082	03-06	5.99	.36	252	04.0	0.85	.38
082	06-12	5.71	.27	189	03.0	0.30	.18
092	00-03	6.76	.46	322	13.0	2.35	.54
092	03-06	6.10	.22	154	03.0	0.05	.17
092	06-12	6.20	.24	168	03.0	0.50	.18
106	00-03	6.50	.17	119	04.0	0.45	.18
106	03-06	6.20	.28	196	04.0	0.65	.25
106	06-12	6.20	.25	175	03.0	0.30	.18

CHEMICAL ANALYSIS OF BEAVER CREEK SOILS WATERSHED 11

SP	DEPTH	PH	SOLSALT ECE	NO3 PPM	PO4 PPM	EDTA PPM
043	00-03	6.22	.25	175	05.0	2.35	.36
043	03-06	6.07	.25	175	03.0	0.50	.22
043	06-12	6.37	.22	154	04.0	0.45	.30
134	00-03	5.45	.51	357	09.0	0.45	.50
134	03-06	5.98	.17	119	04.0	0.30	.22
134	06-12	6.06	.15	105	03.0	0.30	.20
076	00-03	5.43	.25	175	08.0	1.00	.20
076	03-06	5.89	.26	182	03.0	0.50	.18
076	06-12	5.41	.47	329	02.0	1.35	.21
085	00-03	6.44	.41	287	05.0	1.35	.32
085	03-06	5.85	.24	168	03.0	0.79	.20
085	06-12	5.73	.23	161	04.0	0.50	.18
061	00-03	6.63	.78	546	16.0	1.75	.90
061	03-06	6.23	.46	322	06.0	0.58	.42
061	06-12	6.06	.22	154	04.0	0.30	.16
067	00-03	6.59	.22	154	07.0	0.94	.20
067	03-06	6.34	.22	154	09.0	0.25	.16
067	06-12	6.33	.19	133	06.0	0.25	.14

CHEMICAL ANALYSIS OF BEAVER CREEK SOILS WATERSHED 9

SP	DEPTH	PH	SOLSALT ECE	NO3 PPM	PO4 PPM	EDTA PPM
063	00-03	6.04	.30	210	04.0	0.35	.27
063	03-06	5.64	.17	119	05.0	0.30	.18
063	06-12	5.61	.13	091	04.0	0.15	.19
060	00-03	6.21	.12	084	06.0	0.58	.18
060	03-06	5.92	.27	189	10.0	0.40	.14
060	06-12	5.74	.18	126	03.0	0.20	.18
023	00-03	5.71	.19	133	05.0	0.65	.24
023	03-06	5.55	.15	105	05.0	0.15	.18
023	06-12	5.90	.23	161	25.0	0.35	.34
022	00-03	5.87	.25	175	11.0	1.25	.26
022	03-06	5.81	.34	238	04.0	0.35	.26
022	06-12	5.71	.35	245	04.0	0.20	.26
021	00-03	5.84	.20	140	04.0	0.30	.26
021	03-06	5.47	.22	154	04.0	0.05	.22
021	06-12	5.46	.25	175	03.0	0.00	.18
117	00-03	5.60	.28	196	15.0	0.20	.32
117	03-06	5.35	.18	126	05.0	0.15	.19
117	06-12	5.61	.21	147	05.0	1.60	.26
057	00-03	6.18	.25	175	08.0	1.83	.38
057	03-06	6.04	.28	196	05.0	0.72	.20
057	06-12	5.18	.20	140	04.0	0.45	.19
110	00-03	6.32	.26	182	08.0	3.75	.27

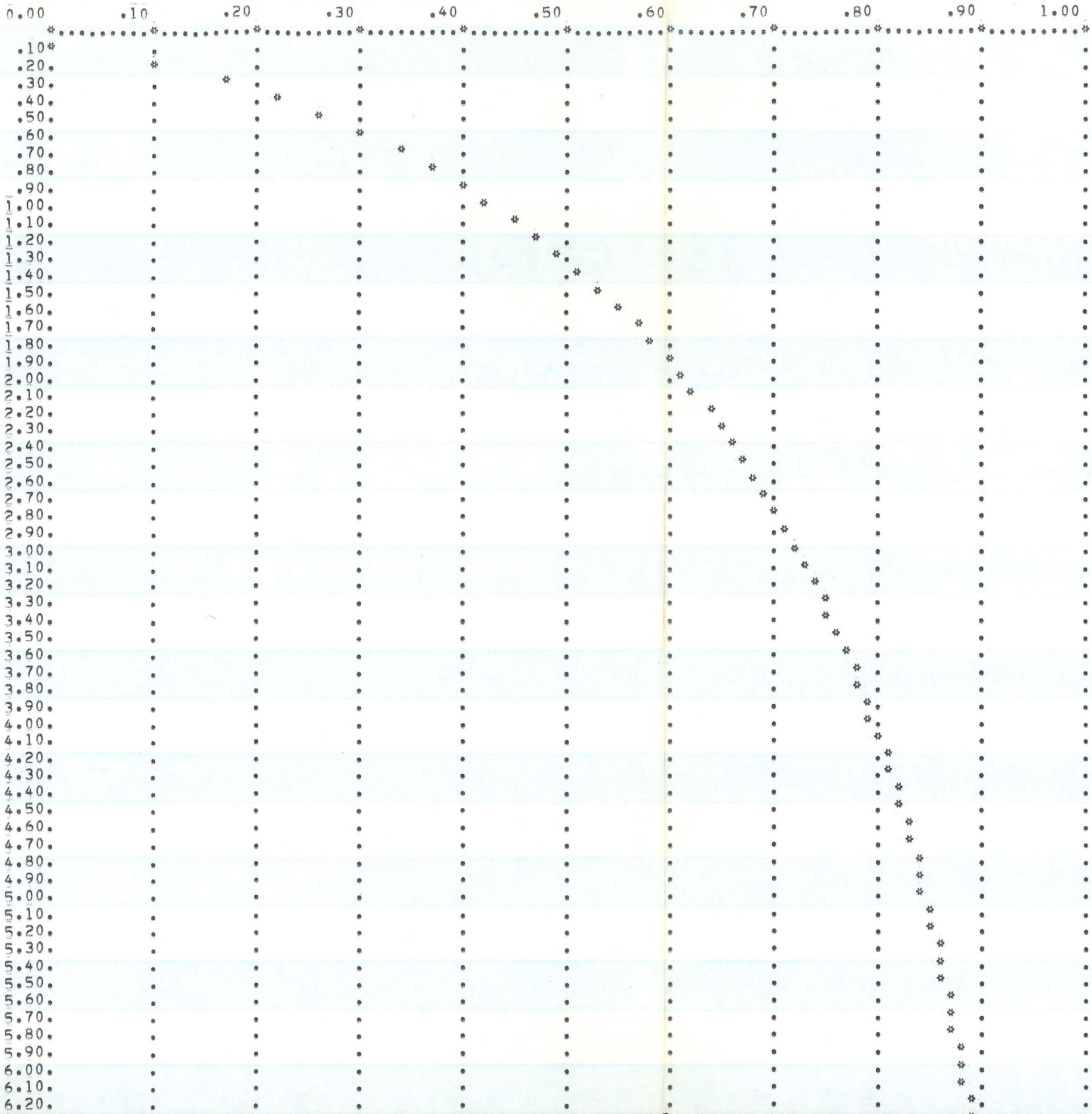
110	00-03	6.23	.23	161	05.0	2.25	.28
110	03-06	6.21	.25	175	05.0	2.92	.26
110	06-12	5.97	.24	168	06.0	1.68	.36
081	00-03	6.13	.46	322	09.0	6.10	.51
081	03-06	5.96	.35	245	06.0	4.25	.36
081	06-12	5.89	.33	231	04.0	2.25	.27
083	00-03	6.20	.33	231	07.0	3.87	.44
083	03-06	5.91	.25	175	04.0	1.35	.44
083	06-12	5.83	.26	182	07.0	0.50	.32
046	00-03	6.50	.28	196	14.0	3.87	.40
046	03-06	6.39	.37	259	05.0	4.25	.38
046	06-12	6.29	.42	294	04.0	4.00	.44
104	00-03	6.74	.52	364	08.0	5.60	.56
104	03-06	6.25	.38	266	05.0	5.30	.26
090	00-03	5.75	.26	182	10.0	0.72	.25
090	03-06	5.58	.31	217	09.0	1.35	.20
090	06-12	5.55	.41	287	04.0	1.06	.55
052	00-03	5.82	.17	119	33.0	0.58	.14
052	03-06	5.68	.22	154	21.0	0.35	.20
052	06-12	5.64	.27	189	20.0	0.25	.26
016	00-03	5.78	.33	231	19.0	1.75	.40
016	03-06	5.38	.28	196	16.0	0.85	.26
016	06-12	5.35	.28	196	17.0	0.45	.30
091	00-03	5.83	.27	189	18.0	0.50	.28
091	03-07	5.73	.31	217	20.0	0.65	.14
091	07-09	5.78	.28	196	04.0	0.79	.22
124	00-03	5.45	.56	392	43.0	4.40	.56
124	03-06	5.60	.51	357	15.0	2.40	.44
124	06-12	5.51	.34	238	04.0	1.35	.26
097	00-03	5.92	.46	322	11.0	1.35	.48
097	03-06	6.10	.53	371	11.0	1.68	.54
097	06-12	5.93	.35	245	05.0	2.82	.38
032	00-03	5.93	.34	238	10.0	0.58	.24
032	03-06	5.76	.32	224	05.0	0.35	.18
032	06-12	5.77	.21	147	04.0	0.35	.12
068	00-03	6.06	.46	322	20.0	1.25	.20
068	03-06	5.85	.20	140	13.0	1.60	.16
068	06-12	5.56	.20	140	05.0	0.45	.18

ROCK DISTRIBUTION

WATERSHED NUMBER IS 3
VALUES OF THE CONSTANTS ARE..... A = 2.0190 N = .7175
INITIAL VALUE FOR X = 0.00
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 100
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH =1.000
THE MINIMUM VALUE OF Y =0 000

Y LISTING

0.000	.109	.173	.225	.269	.307	.342	.374	.402	.429
.453	.476	.498	.518	.537	.554	.571	.587	.602	.616
.630	.643	.655	.666	.678	.688	.698	.708	.718	.727
.735	.743	.751	.759	.766	.773	.780	.787	.793	.799
.805	.810	.816	.821	.826	.831	.836	.840	.845	.849
.853	.857	.861	.864	.868	.872	.875	.878	.881	.885
.887	.890	.893	.896	.899	.901	.904	.906	.908	.911
.913	.915	.917	.919	.921	.923	.925	.927	.928	.930
.932	.933	.935	.937	.938	.939	.941	.942	.944	.945
.946	.947	.949	.950	.951	.952	.953	.954	.955	.956
.957									


0.00 .10 .20 .30 .40 .50 .60 .70 .80 .90 1.00
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WATERSHED NUMBER IS 6
VALUES OF THE CONSTANTS ARE..... A = 3.6190 N = 1.3199
INITIAL VALUE FOR X = 0.00
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 00
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH =1.000
THE MINIMUM VALUE OF Y =0 000

Y LISTING

0.000	.009	.022	.037	.053	.071	.089	.108	.128	.147
.167	.188	.208	.228	.248	.269	.289	.308	.328	.348
.367	.386	.405	.423	.441	.459	.476	.493	.510	.526
.542	.557	.573	.587	.602	.616	.630	.643	.656	.668
.681	.692	.704	.715	.726	.736	.747	.756	.766	.775
.784	.793	.801	.809	.817	.824	.831	.838	.845	.851
.858	.864	.869	.875	.880	.885	.890	.895	.900	.904
.908	.912	.916	.920	.924	.927	.930	.933	.936	.939
.942	.945	.947	.950	.952	.954	.956	.959	.960	.962
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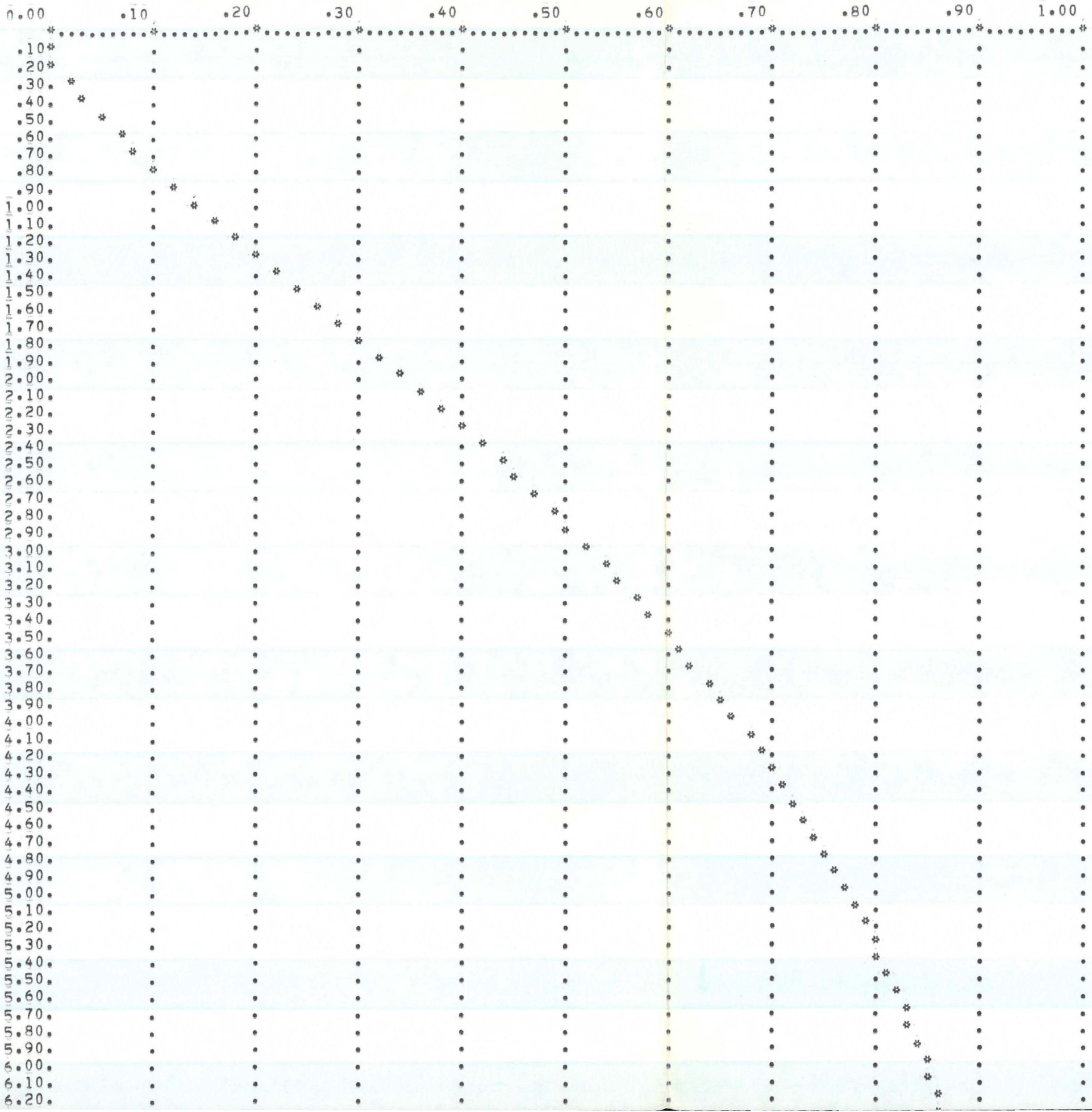
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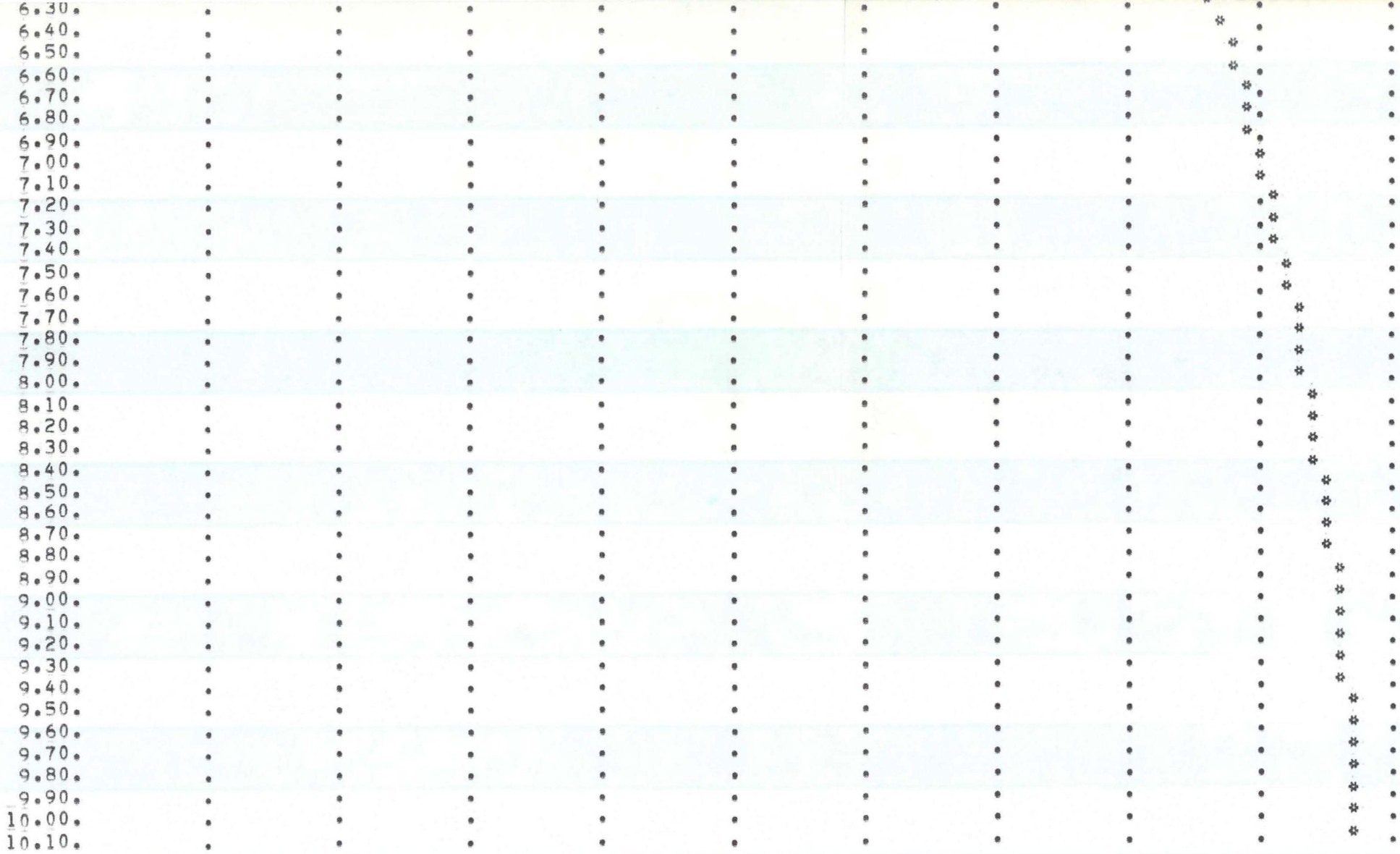
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WATERSHED NUMBER IS 9
VALUES OF THE CONSTANTS ARE..... A = 4.6390 N = 1.1949
INITIAL VALUE FOR X = 0.00
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 100
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH =1.000
THE MINIMUM VALUE OF Y =0 000

Y LISTING

0.000	.010	.023	.037	.052	.067	.083	.099	.115	.131
.148	.164	.180	.196	.213	.229	.244	.260	.276	.291
.306	.322	.336	.351	.366	.380	.394	.408	.421	.435
.448	.461	.474	.486	.498	.510	.522	.534	.545	.556
.567	.578	.589	.599	.609	.619	.628	.638	.647	.656
.665	.674	.682	.690	.699	.706	.714	.722	.729	.736
.743	.750	.757	.763	.770	.776	.782	.788	.794	.800
.805	.810	.816	.821	.826	.831	.835	.840	.844	.849
.853	.857	.861	.865	.869	.873	.876	.880	.883	.887
.890	.893	.896	.899	.902	.905	.908	.911	.913	.916
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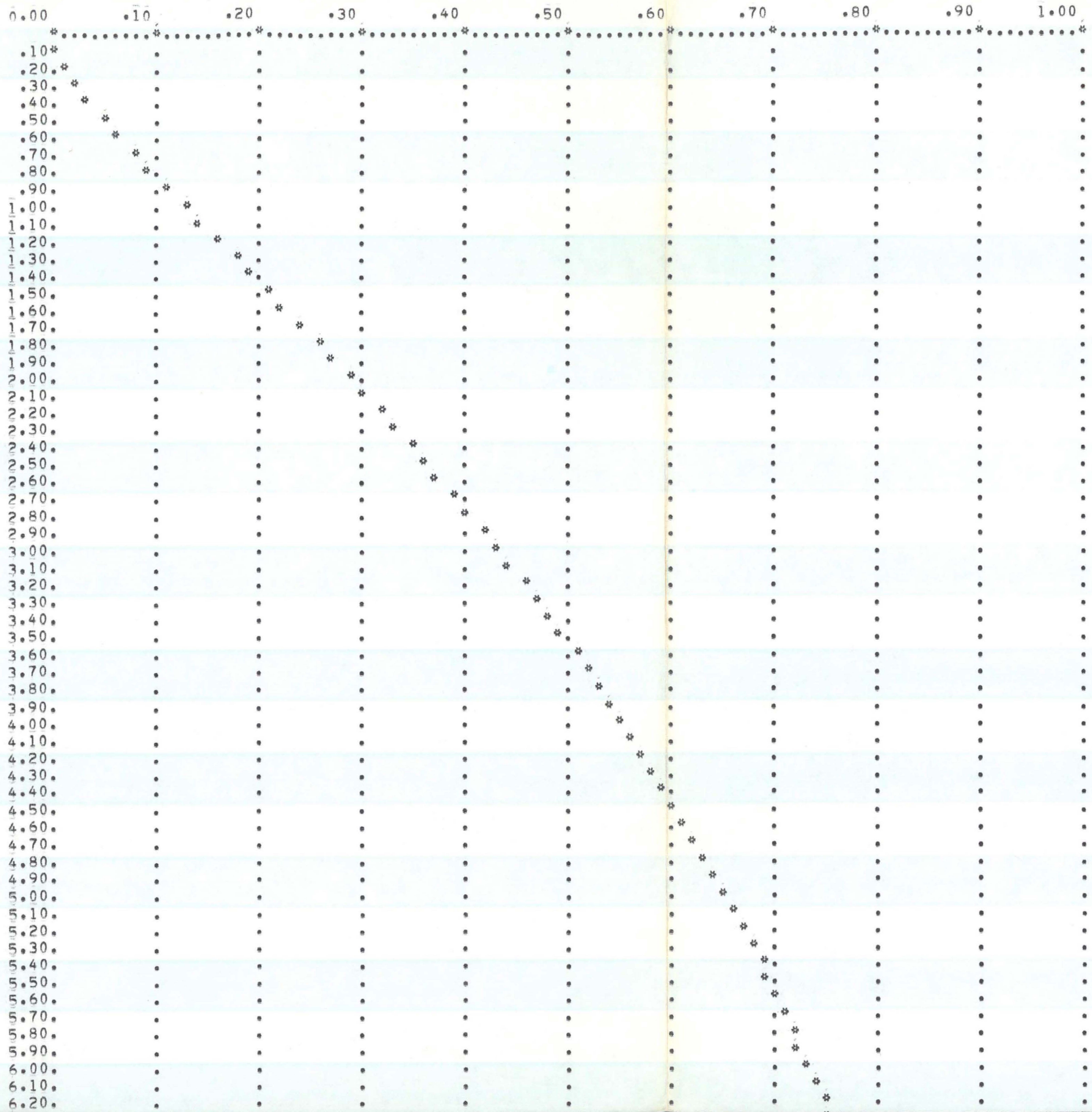
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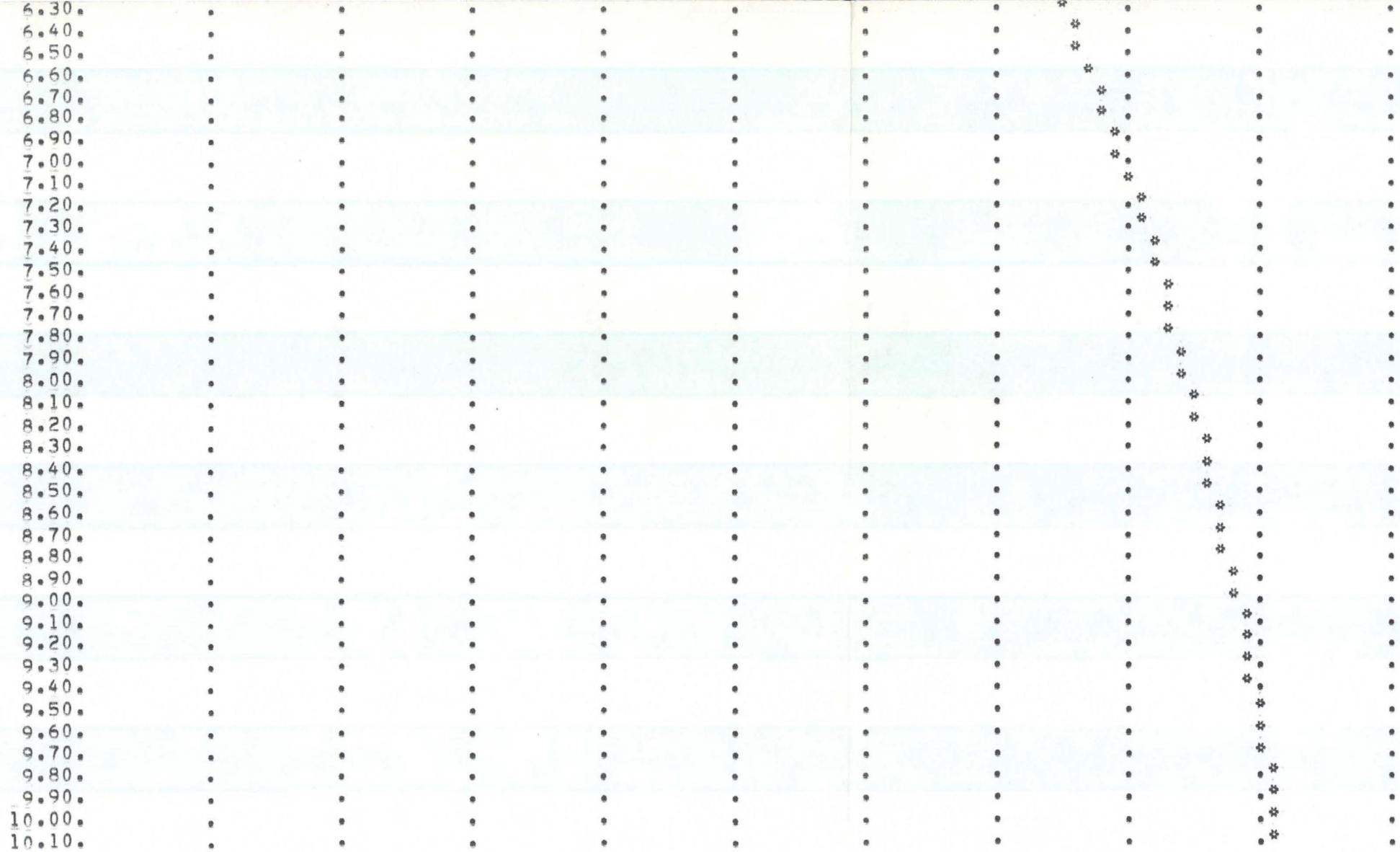
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WATERSHED NUMBER IS 11
VALUES OF THE CONSTANTS ARE..... A = 4.4220 N = 1.8016
INITIAL VALUE FOR X = 0.00
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 100
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH =1.000
THE MINIMUM VALUE OF Y =0 000

Y LISTING

0.000	.001	.004	.008	.013	.020	.027	.035	.045	.055
.066	.078	.091	.104	.118	.133	.148	.164	.180	.196
.213	.230	.247	.265	.283	.301	.319	.337	.355	.374
.392	.410	.428	.446	.464	.481	.499	.516	.533	.550
.566	.582	.598	.614	.629	.644	.658	.672	.686	.700
.713	.726	.738	.750	.761	.773	.784	.794	.804	.814
.823	.832	.841	.849	.857	.865	.872	.879	.886	.892
.898	.904	.910	.915	.920	.925	.930	.934	.938	.942
.946	.949	.952	.955	.958	.961	.964	.966	.968	.971
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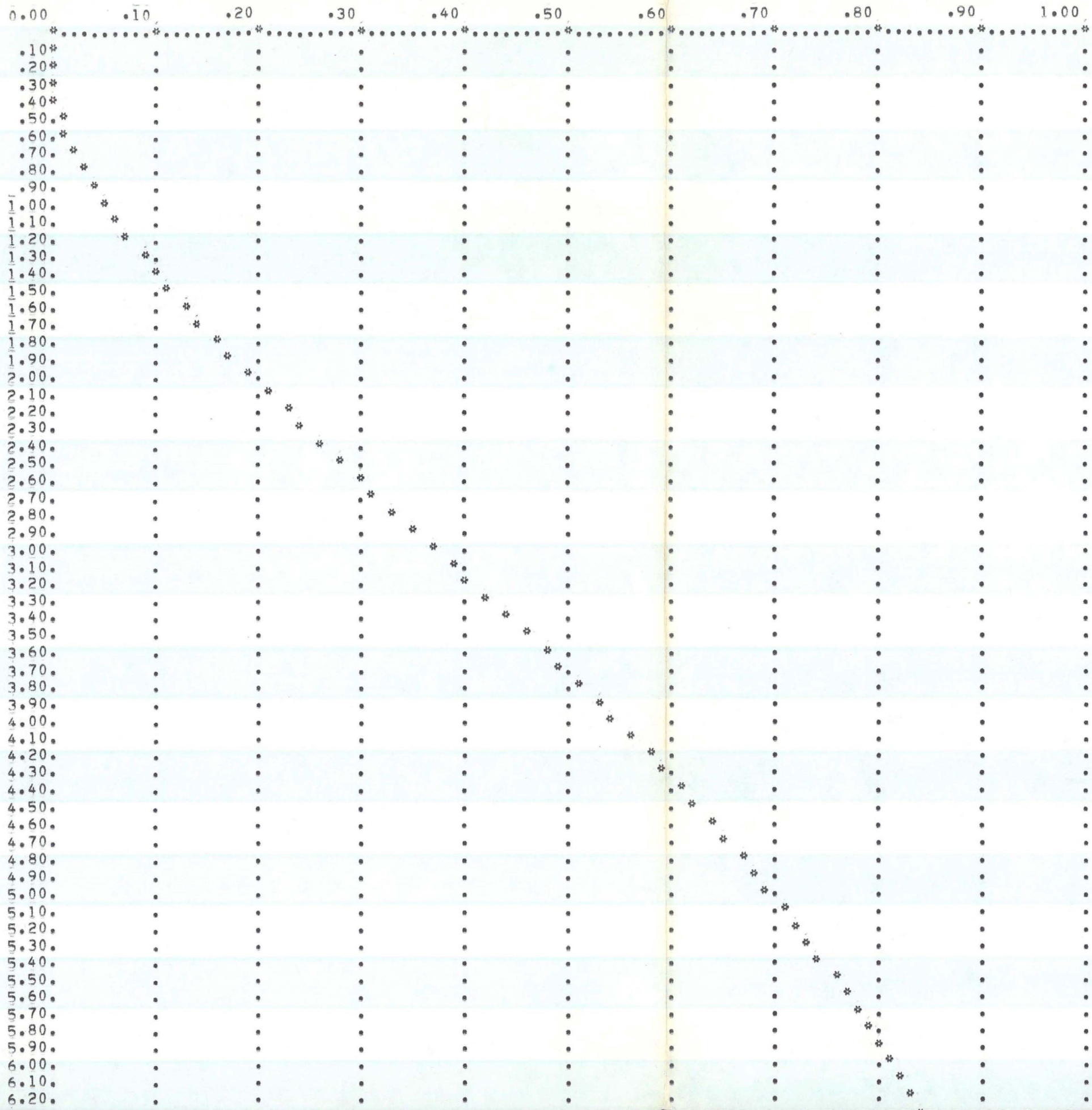
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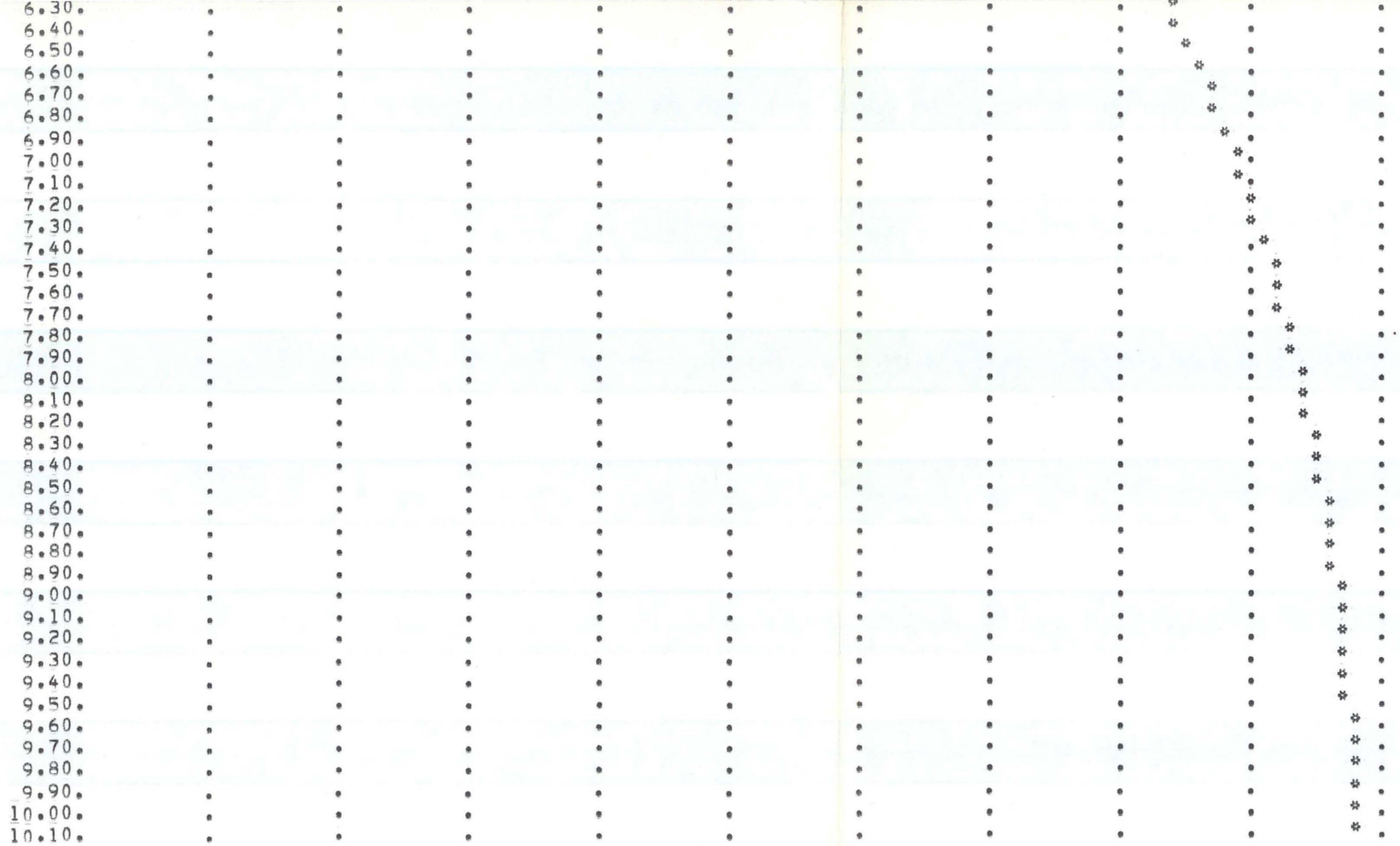
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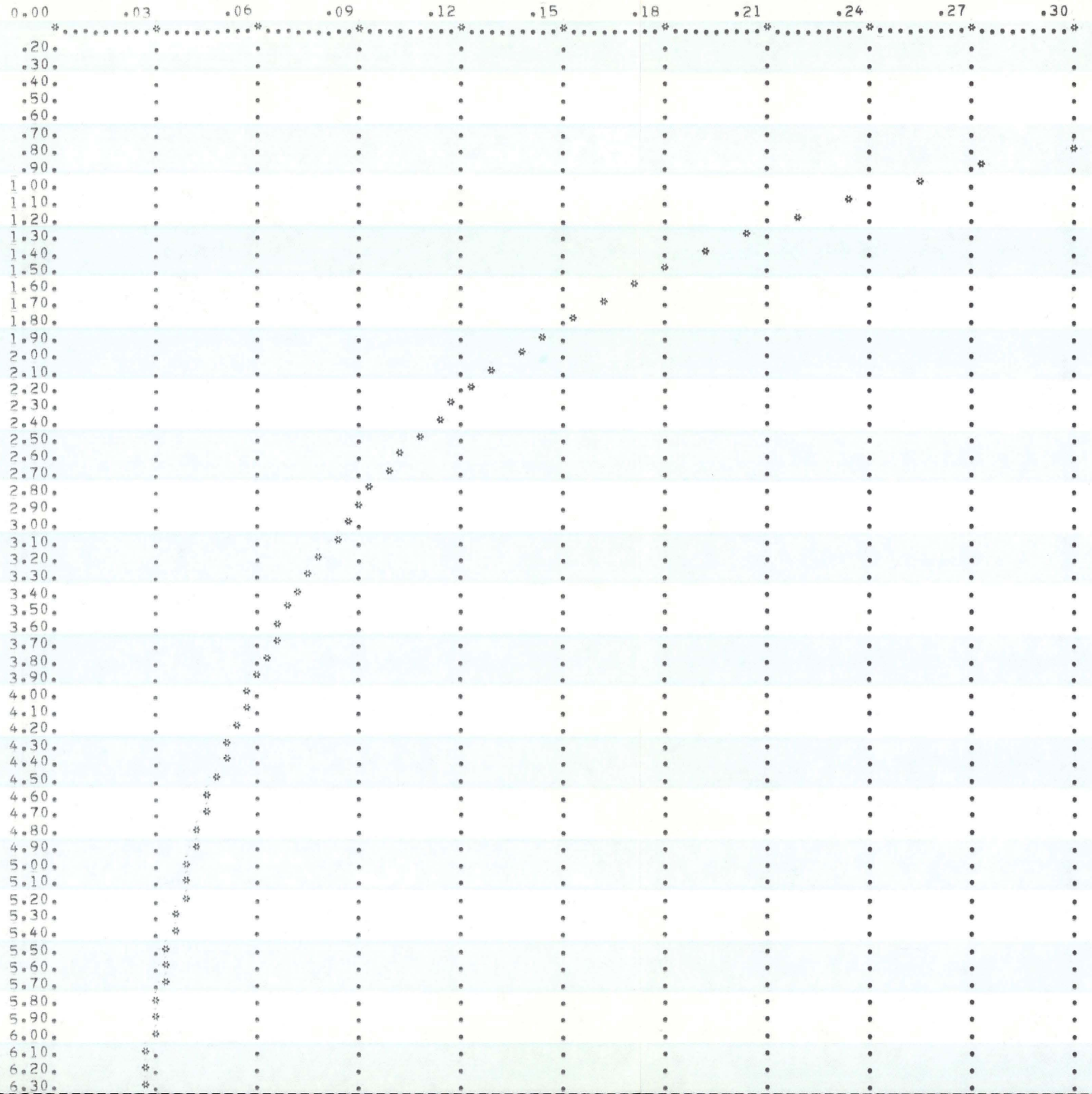
WATERSHED NUMBER IS 3
VALUES OF THE CONSTANTS ARE..... A = 2.0190 N = .7175
INITIAL VALUE FOR X = .10
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 100
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH = .300
THE MINIMUM VALUE OF Y =0 000

Y LISTING

.740	.565	.472	.411	.365	.329	.300	.276	.255	.237
.221	.207	.194	.183	.172	.163	.154	.146	.139	.132
.126	.120	.114	.109	.104	.100	.096	.092	.088	.084
.081	.078	.075	.072	.069	.066	.064	.062	.059	.057
.055	.053	.051	.050	.048	.046	.045	.043	.042	.040
.039	.038	.037	.036	.034	.033	.032	.031	.030	.029
.029	.028	.027	.026	.025	.025	.024	.023	.022	.022
.021	.021	.020	.019	.019	.018	.018	.017	.017	.016
.016	.016	.015	.015	.014	.014	.014	.013	.013	.013
.012	.012	.012	.011	.011	.011	.010	.010	.010	.010
.009									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WATERSHED NUMBER IS 6
VALUES OF THE CONSTANTS ARE..... A = 3.6190 N = 1.3199
INITIAL VALUE FOR X = 0.00
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 100
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH = .250
THE MINIMUM VALUE OF Y =0 000

Y LISTING

0.000	.115	.141	.158	.171	.180	.187	.192	.196	.199
.201	.202	.203	.203	.202	.201	.200	.198	.196	.194
.191	.188	.185	.182	.179	.175	.172	.168	.165	.161
.157	.154	.150	.146	.142	.139	.135	.131	.128	.124
.120	.117	.113	.110	.106	.103	.100	.097	.093	.090
.087	.084	.082	.079	.076	.073	.071	.068	.066	.063
.061	.059	.057	.054	.052	.050	.048	.047	.045	.043
.041	.040	.038	.037	.035	.034	.032	.031	.030	.028
.027	.026	.025	.024	.023	.022	.021	.020	.019	.018
.018	.017	.016	.015	.015	.014	.013	.013	.012	.012
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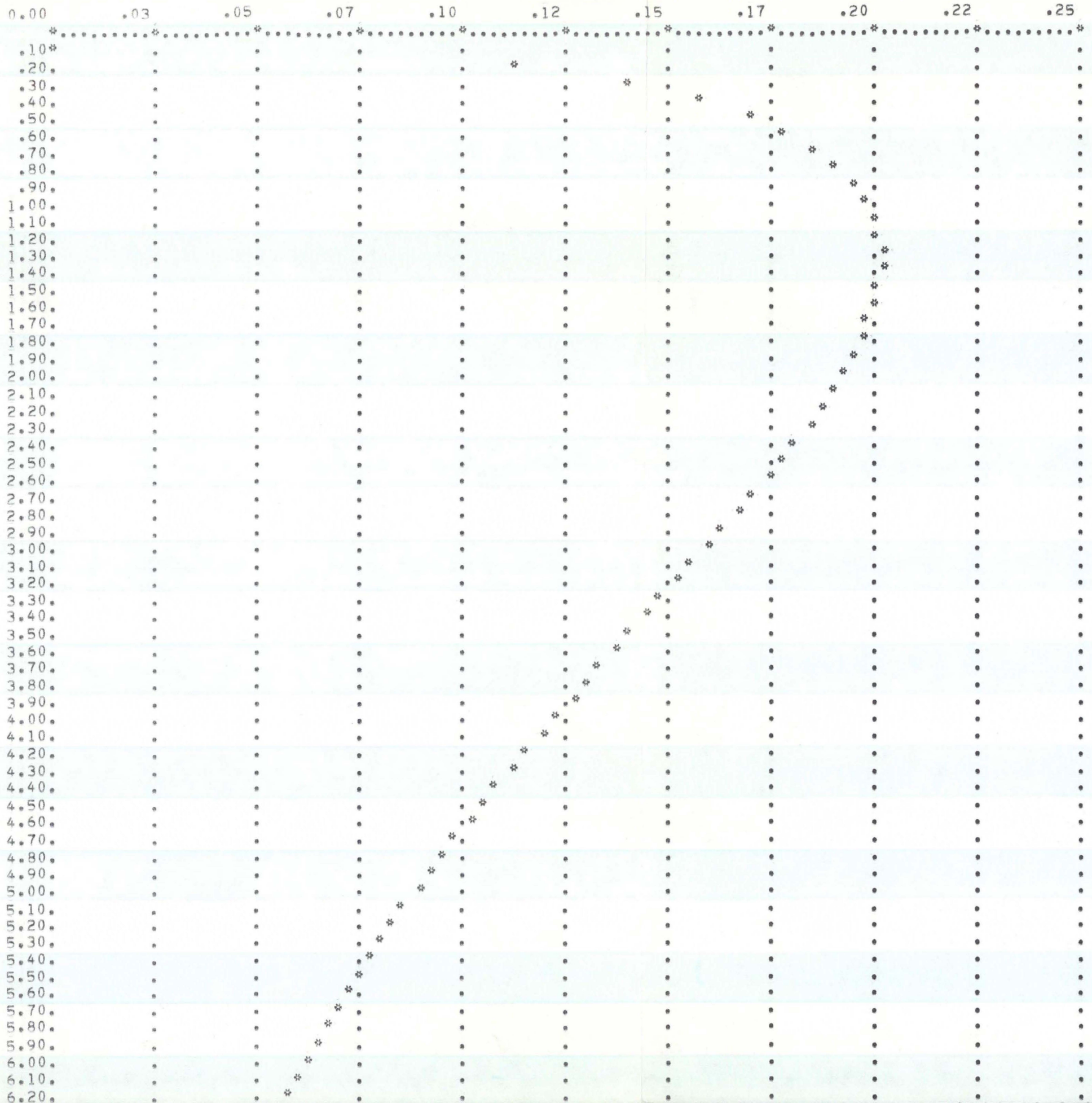
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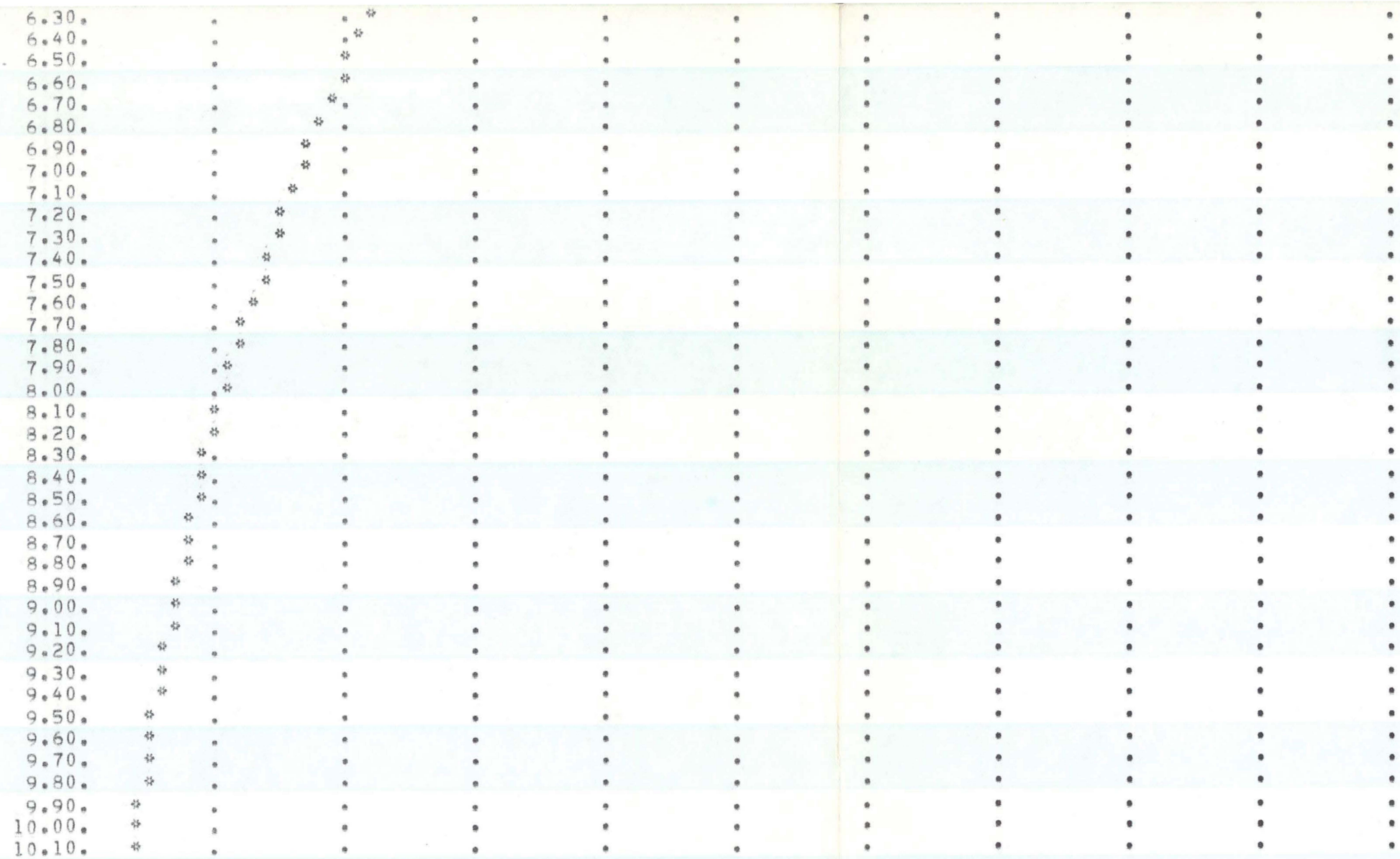
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WATERSHED NUMBER IS 9
VALUES OF THE CONSTANTS ARE..... A = 4.6390 N = 1.1949
INITIAL VALUE FOR X = 0.00
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 100
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH = .200
THE MINIMUM VALUE OF Y =0 000

Y LISTING

0.000	.121	.136	.145	.151	.156	.159	.161	.162	.163
.163	.163	.162	.162	.161	.159	.158	.157	.155	.153
.152	.150	.148	.146	.144	.142	.139	.137	.135	.133
.131	.128	.126	.124	.122	.119	.117	.115	.113	.110
.108	.106	.104	.102	.100	.098	.096	.094	.092	.090
.088	.086	.084	.082	.080	.078	.076	.075	.073	.071
.070	.068	.066	.065	.063	.062	.060	.059	.057	.056
.054	.053	.052	.050	.049	.048	.047	.046	.044	.043
.042	.041	.040	.039	.038	.037	.036	.035	.034	.033
.032	.031	.031	.030	.029	.028	.027	.027	.026	.025
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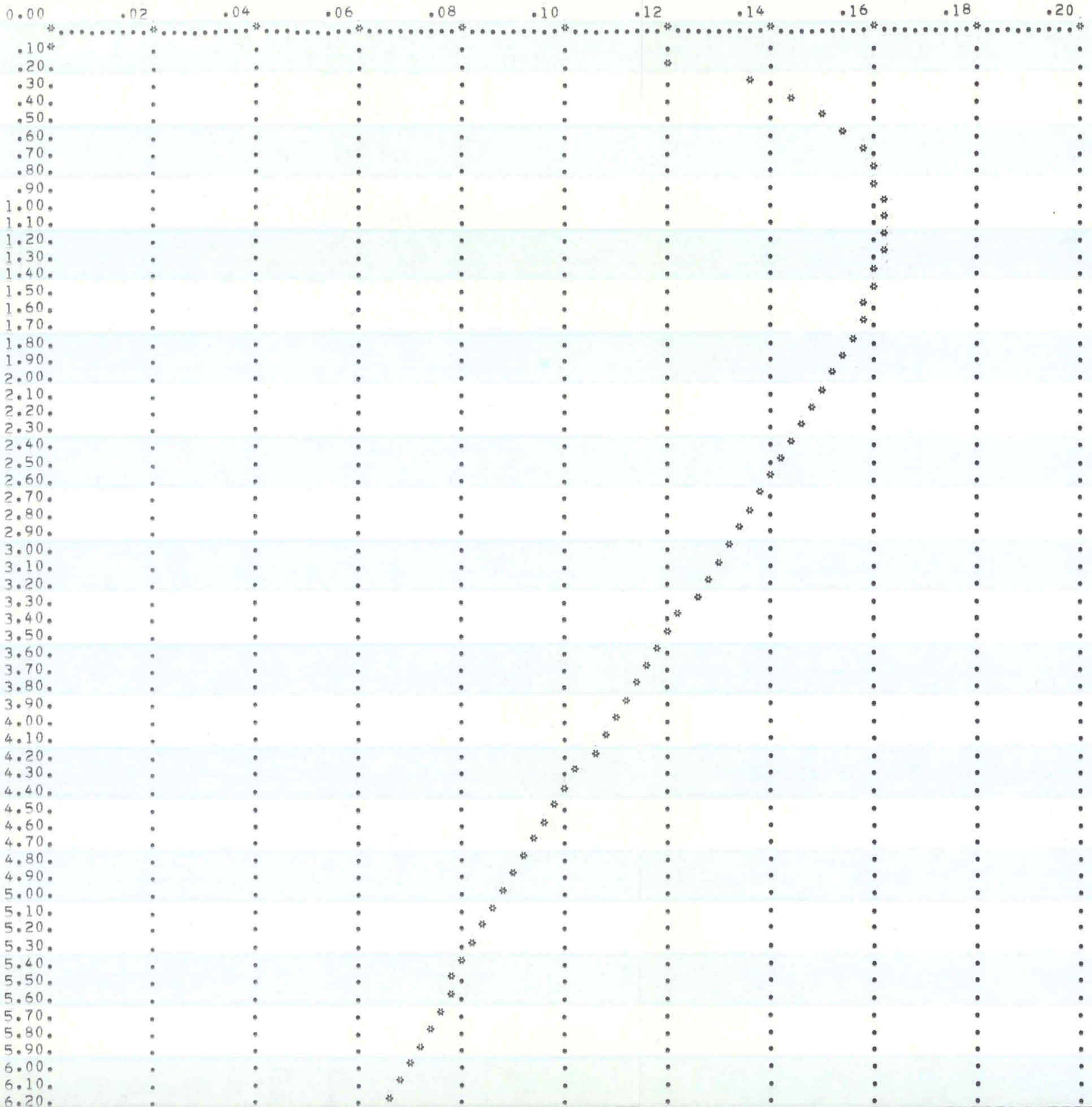
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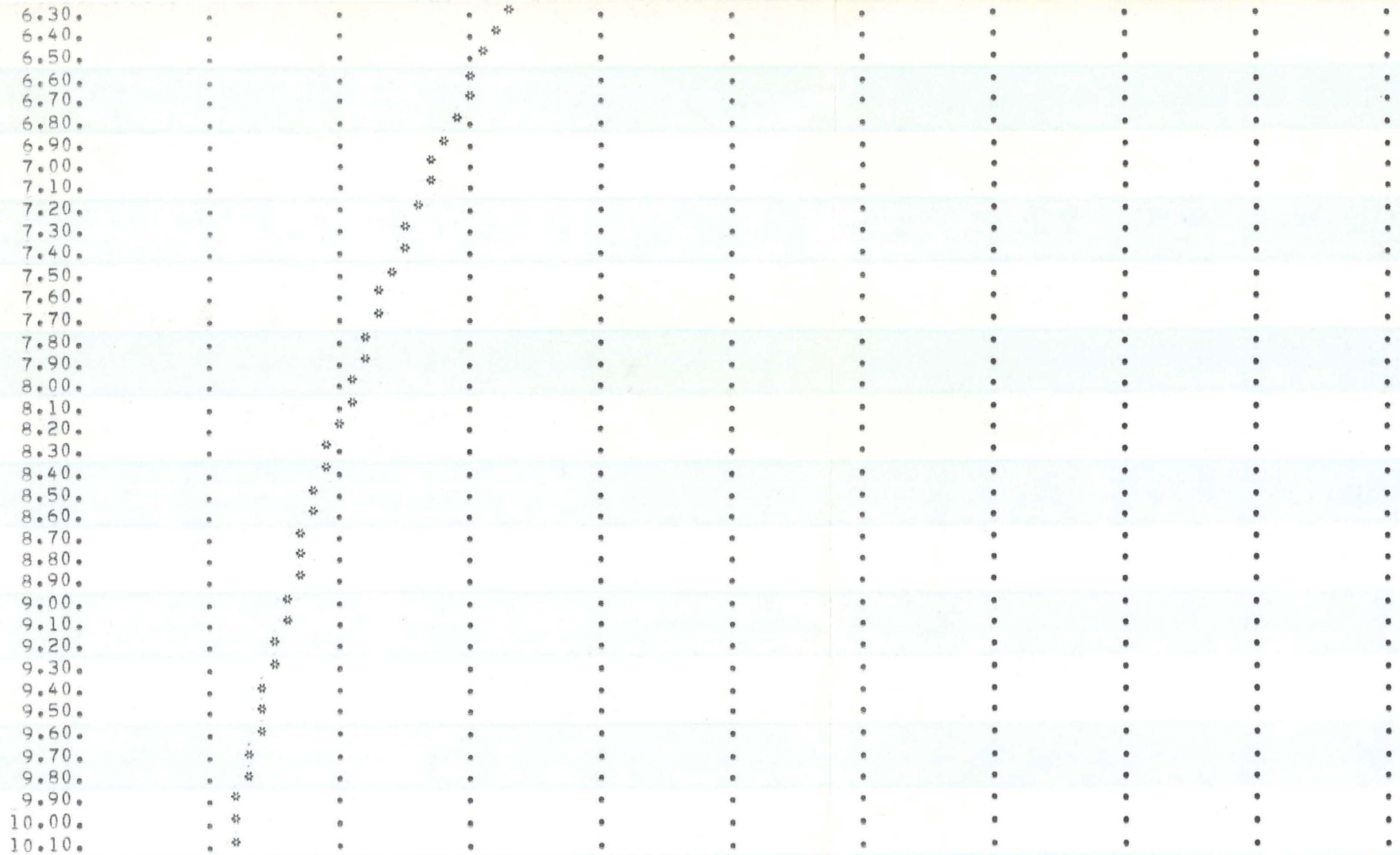
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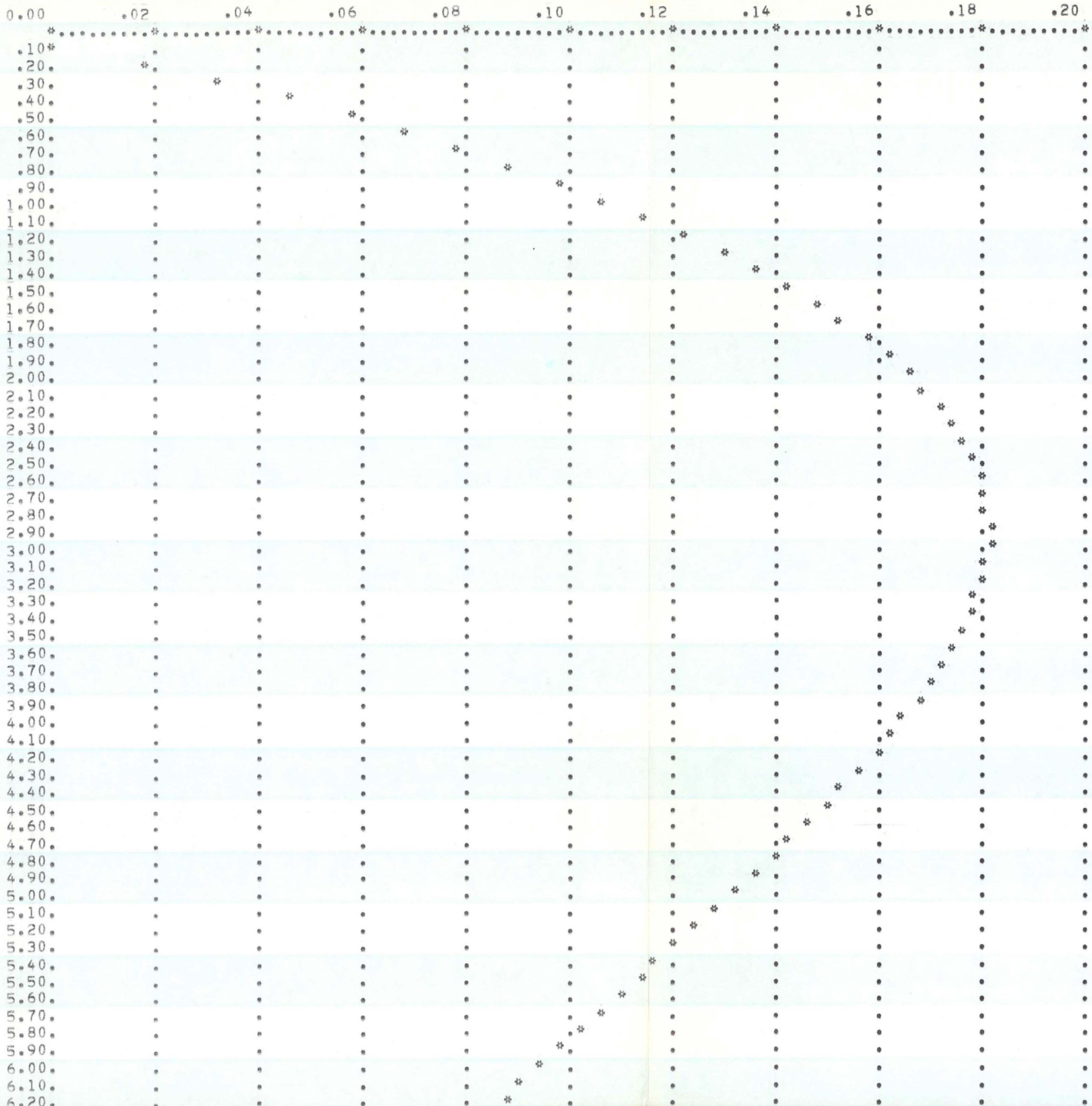
WATERSHED NUMBER IS 11
VALUES OF THE CONSTANTS ARE..... A = 4.4220 N = 1.8016
INITIAL VALUE FOR X = 0.00
INITIAL VALUE OF Y =0 000
WIDTH OF INTERVAL ON X AXIS = .100
NUMBER OF POINTS ON X AXIS = 100
FINAL INDEX ON Y = 101
NUMBER OF INTERVALS BETWEEN PLOTTED POINTS = 1
NUMBER OF INTERVALS PRIOR TO STARTING PLOT = 1
THE MAXIMUMVALUE Y MAY REACH = .200
THE MINIMUM VALUE OF Y =0 000

Y LISTING

0.000	.020	.034	.047	.059	.070	.080	.090	.099	.107
.116	.123	.130	.137	.143	.149	.154	.158	.163	.166
.170	.173	.175	.177	.179	.180	.181	.182	.182	.182
.182	.181	.180	.179	.177	.175	.173	.171	.169	.166
.163	.160	.157	.154	.151	.147	.144	.140	.137	.133
.129	.125	.122	.118	.114	.110	.107	.103	.099	.096
.092	.088	.085	.082	.078	.075	.072	.069	.066	.063
.060	.057	.054	.052	.049	.047	.044	.042	.040	.038
.036	.034	.032	.030	.028	.027	.025	.024	.022	.021
.020	.019	.017	.016	.015	.014	.013	.012	.012	.011
.010									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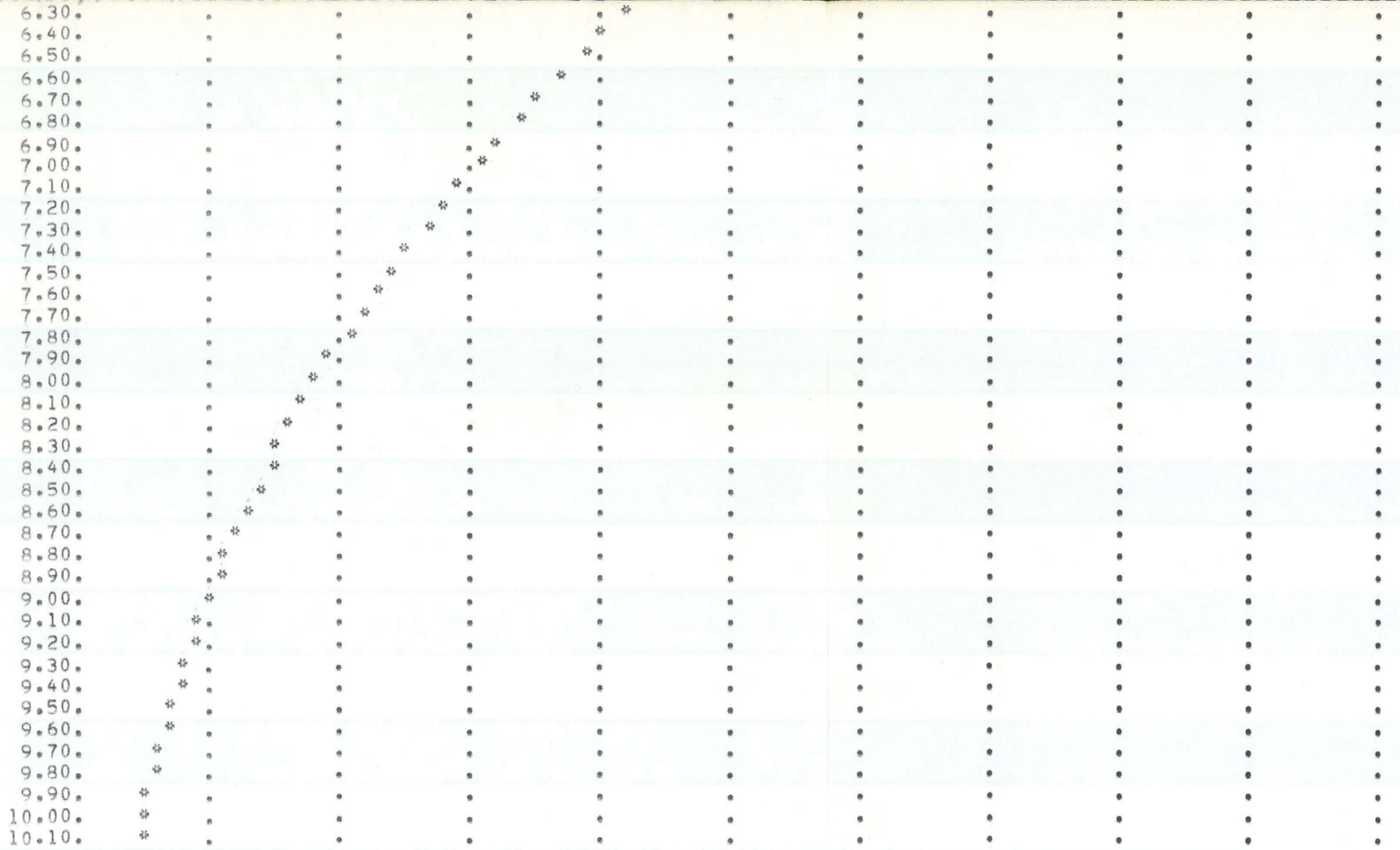
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